AV SPECIFICATIONS 2010-11
BOARD OF EDUCATION OF PRINCE GEORGE'S COUNTY

13300 OLD MARLBORO PIKE, RM 20
UPPER MARLBORO, MD 20772-9983
TELEPHONE: 301-952-6560 FAX 301-952-6605

Valid thru June 30, 2011

This is a required cross reference to check to ensure that the correct item is ordered

Note to the end user:
Please read the specifications carefully and determine you are ordering the correct item.
When in doubt, contact Television resources and Web Services @ Tel: 301-386-1619

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

1 MOBILE TELEVISION CART ASSEMBLED

Wide body TV table; All welds to be bead type (spot welds not acceptable); Adjustable height (44" to 48"); Must be able to hold 27" TV; Roll-formed shelves with 1/2" safety lip; 4" swivel casters with two brakes; All four wheels must swivel; Two-outlet electrical system grounded to table with 20' cord; Ratchet safety belt and rubber mat included; **VENDOR MUST FULLY ASSEMBLE CART AND PLACE IN AREA DESIGNATED BY BUILDING STAFF**.
DaLite PM7-48JE q/A552R or latest equivalent

ModelOffered: DaLite PM7-48JE q/A552R **$192.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

2 FLAT SCREEN TUBE SDTV/DVD/VCR COMBO

General Specifications:
27" tube TV: Flat tube TV, providing a wide viewing angle and minimizing reflections SDTV (480i) with digital tuner: built-in digital (ATSC) tuner DVD player: built-in progressive-scan DVD player compatible with DVD-Video (movies) and DVD+R/RW, VCD, SVCD, music CDs, MP3-CD, CD-R/RW, and Picture CD (JPEG). Switchable between VHS and DVD. Built-in speakers with dynamic stereo Dolby Digital Component video, S-video and composite. Philips 27PC4326/37 **SDTV/DVD/VCR Combo** or latest equivalent

ModelOffered:____No Award

3 LCD TV/MONITOR, 26" with built-in DVD player

This is intended for viewing TV, and video playback in small offices or use in TV Studio control rooms.

General Specifications:

26" widescreen HDTV,
1366 x 768 resolution (16:9 aspect ratio, 300cd/m2 brightness, 5ms response time, 1000:1 dynamic contrast ratio built-in digital (ATSC) and analog (NTSC),
QAM cable TV tuner,digital comb filter, auto channel memory, sleep (off) timer,
closed caption, V-Chip, built-in stereo speakers (2.5 watts x 2), A/V inputs,

HDMI v1.3 digital audio/video input (accepts signals up to 1080i) PC input: analog RGB (D-Sub 15-pin) with PC audio, Audio enhancements: Dolby® Digital/
DTS® compatible, bass/treble balance, surround sound, Unified remote control, RF
input for antenna/cable signals, Wall mountable DVD Player, Playable disc types:
DVD/DVD-R/DVD-RW/CD/CD-R/CD-RW/VCD DivX® Home Theater Certified
Playback of WMA and MP3 files, Digital picture zoom headphone output, and

VESA-compliant mounting holes (100mm pattern). One year Warranty,

Toshiba 26LV610U or latest equivalent

ModelOffered: **Toshiba** 26LV610U **$340**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

4 **HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 32”**

Note to the End user:
This is intended for use in classrooms, offices and small space environments (Please remember to order appropriate wall/ceiling mount)

General Specifications:
Full HD TV Monitor, LED-Backlit LCD, 32" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 7.5 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

Specifications:
Video Signal Standard: HDTV 1080p

Backlight Technology: Direct LED

Tuner : NTSC / ATSC

Dynamic Contrast Ratio: 3000000:1

Aspect Ratio: 16 : 9

RMS Output Power: 15 W (7.5 Watts x 2)
Connections:

4 HDMI (High-Definition Multimedia Interface) version 1.3: 2 back
Anynet+™ (HDMI-CEC): Allows peripheral AV devices such as a DVD player to be controlled by a Samsung TV remote control.
2 USB: 2 back

1 Component video input: 1 back
1 Optical sound output: 1 back
1 PC input: 1 back
1 Ethernet: 1 back

Audio:
Dolby® Digital
DTS™
audio power stereo broadcast reception: Supports multichannel sound (MTS) and second audio program (SAP) with 181-channel capacity
Operating Power Consumption: 43.20 W

Height: 21.7"
Width: 30.9"
Depth: 9.4"

Without Stand: 18.1 lbs
With Stand: 24.3 lbs

Shipping: 28.7 lbs

VESA Mount Standard 200 x 200

Manufacturers Warranty: 1 Year Parts and Labor

Samsung UN32C5000 or Equivalent

Model Offered: **Samsung UN32C5000** **$708.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

5 **HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 37”**

Note to the End user:
This is intended for use in office rooms. (Please remember to order appropriate wall/ceiling mount)

General Specifications:
Full HD TV Monitor, LCD, 37" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in,

multi scan formats, multi standard tuner (NTSC/ATSC/QAM), 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

Specifications:

Maximum Resolution: 1920 x 1080
Contrast Ratio: 50000:1
Brightness: 500 Nit
Response Time: 5ms
Tuner: NTSC/ATSC

Total Output Power: 20 w, Stereo, Surround, Dolby

IN/Outs
1 x Audio/Video In Side
1 x HDMI Digital Audio/Video In Side
2 x HDMI Digital Audio/Video In Rear
1 x RF Antenna In Rear
2 x Component Audio/Video In Rear
1 x 15-pin HD-15 VGA In Rear
1 x Audio Line In Rear
1 x Digital/Optical Audio Line Out Rear

Dimensions: 23.4" Height x 36.11" Width x 3.5" Depth
Weight: 32 lbs

Manufacturer Warranty: One Year Parts and Labor

LG 37LH30 37" 1080p LCD HDTV

Model Offered: **LG 37LH200C** **$686.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
6	**HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 42”**			

General Specifications:
3D Ready, (3D glasses required). Full HD TV Monitor, LED-Backlit LCD, 42" Screen Size (Measured Diagonally), 1920x1080 / LED Plus w/ Local Dimming /

TruMotion 240Hz / 5M:1 Dynamic Contrast Ratio / NetCast Entertainment Access / Wi-Fi Ready

Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

Specifications:

Display Type: 3D LED-backlit
Screen Size (Inches/Diagonal) 42
HDTV Capable 3D HDTV Ready
Broadcast system: ATSC/NTSC/Clear QAM
Full HD 1080p Resolution
8,000,000:1 Dynamic Contrast Ratio
Screen Format 16:9 Widescreen TV Imaging
Viewing Angle: 178º / 178º
Native Display Resolution: 1920 x 1080
Refresh Rate: 240 Hz
Intelligent Sensor: Yes
Response Time: 2.0 ms
Pictures, Music and Video via USB 2.0: Yes

Audio Output Power (Watts - THD 10%): 20W (10W x 2)
Speaker System Details: 2 Way 4 Speakers
Surround System: Infinite Sound
Side Inputs/Outputs: 1 x AV In, 1x Component Video In + Audio, 1 x HDMI/HDCP (V1.3), 2 x USB 2.0 (JPEG/MPEG-4/DivX HD), 1 x Headphone Out
Rear Inputs/Outputs: 1 x RF In (Antenna/Cable), 1 x AV In, 2 x Component Video In (Y, Pb, Pr) + Audio, 1 x Digital Audio Out (Optical), 3 x HDMI/HDCP Input (V.1.3 w/Deep Color), 1 x RGB In (D-Sub 15pin) - PC, 1 x PC Audio Input, 1 x LAN, 1 x RS-232c In (Control/Service), 1 x Wireless Control

Picture Wizard II (Easy Picture Calibration)
AV Mode II (Cinema, Sports, Game)
Clear Voice II
ISFccc Ready
24P Real Cinema
USB 2.0 (JPEG, MP3, DivX HD)
DivX HD
SIMPLINK Connectivity

Dolby Digital 5.1 Decoder
Infinite Sound
NetCast Entertainment Access (Broadband): Yes
Internet Services: Yahoo! TV Widgets, Netflix, Vudu, YouTube, Picasa
Wireless HD Ready: Yes
WiFi Ready: Yes
Skype Ready: Yes
DNLA Certified: Yes

Smart Energy Saving
ENERGY STAR 4.0 Qualified
Intelligent Sensor

Swivel Stand (degrees): +20º / -20º
Remote Control Type: Universal
VESA Compliant (WxH): 200mvm x 200mm
TV without stand (WxHxD): 40.0 x 24.8 x 1.2 in.
TV with stand (WxHxD): 40.0 x 27.2 x 10.6 in.
TV without stand weight: 36.8 lbs.
TV with stand weight: 43.0 lbs.

Manufacturer Warranty: One Year Parts and Labor

LG Electronics 42" 1080p 3D-Ready, Internet Enabled 42LX6500 or Equivalent

ModelOffered: LG 42LX6500 **$1,650.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
7	**HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 47”**			

Note to the End user:
This is intended for use in classroom, science lab, auditorium,
main lobby and indoor sport venues etc. (Please remember to order appropriate wall/ceiling mount)

General Specifications:

Full HD TV Monitor, LED-Backlit LCD, 47" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

Specifications:

Screen Size: 47”

Resolution: 1920 x 1080p
Dynamic Contrast Ratio: 5,000,000:1
Response Time (GTG): 2.4ms
TruMotion 120Hz
Local Dimming
Viewing Angle: 178º/178º

Video

Built-In Tuner: ATSC/NTSC/Clear QAM
XD® Engine
Aspect Ratio: 16:9
Aspect Ratio Correction: 6 Modes
Just Scan (1:1 Pixel Matching)
HDMI™: 1080p/1080i/720p
Component: 1080p/1080i/720p
RF: 1080i/720p
Color Temperature Control: 3 Modes
24p Real Cinema (5:5/2:2 Pulldown)
3:2 Pulldown
Picture Reset
AV Mode II: 3 Modes
Picture Mode: 8 Modes
ISFccc® Ready
Intelligent Sensor Mode
x.v.Color™
DTV Signal Strength Indicator

Audio

Mono/Stereo/Dual (MTS/SAP)
Audio Output Power (Watts - THD 10%): 20W (10W + 10W)

Speaker System Details: 2 Way/4 Speakers
Dolby® Digital Decoder
Surround System: Infinite Sound
Bass/Treble/Balance Controls
Clear Voice II
Auto Volume Leveler II
EZ Sound Mode: 5 Modes

Broadband

NetCast™ Entertainment Access
Yahoo!® TV Widgets
Netflix® Instant Streaming Ready
Vudu™ (Streaming)
Picasa™ Web Albums
YouTube™
Skype™ Ready
DLNA® Certified

Special Features

Wireless 1080p Ready (WHDI™)
Wi-Fi® Ready
Picture Wizard II
Backlight Control
Smart Energy Saving
1080p Source Input
HDMI™: 60p/30p/24p
Component: 60p/30p/24p
RGB: 60p (WXGA)
A/V Input Navigation
Input Labeling
Quick View (Flashback)
Parental Control w/V-Chip
Key Lock
Closed Caption
SIMPLINK™ (HDMI CEC)

Language: 4 (English/Spanish/French/Korean)
Auto Tuning/Programming
Channel Add/Delete
Favorite Channel Programming
Auto/Manual Clock
On/Off Timer
Sleep Timer
Auto Off/Auto Sleep (When no video is present)

Inputs / Outputs

RF In (Antenna/Cable): 1 (rear)
AV In: 1 (rear) 1 (side w/gender)
Component Video In (Y, Pb, Pr) + Audio: 2 (rear) 1 (side w/gender)
Digital Audio Out (Optical): 1 (rear)
HDMI™/HDCP Input (V.1.3 w/Deep Color): 3 (rear) 1 (side)
RGB In (D-Sub 15pin) - PC: 1 (rear)
PC Audio Input: 1 (rear)
LAN: 1 (rear)
RS-232c In (Service Only): 1 (rear)
USB 2.0 (JPEG, MPEG-4/DivX HD): 2 (side)
Wireless Control: 1 (rear)
Headphone Out: 1 (side)

Cabinet/Accessories

Cabinet Color: Glossy Black/Evening Purple
Swivel Stand (degrees): +20º / -20º
Remote Control Type: Universal
VESA® Compliant (WxH): 2000mm x 200mm
Remote Control: 1 (Universal)

Power

Voltage, Hz: 100V ~ 240V, 50/60 Hz
Stand-by Mode: >0.1W
ENERGY STAR® 4.0 Compliant

Approximate Dimensions:

Without Stand
Height: 27.2"
Width: 44.4"
Depth: 1.2"
With Stand
Height: 30"
Width: 44.4"
Depth: 10"

Without Stand: 43.2 lbs
With Stand: 50.5 lbs
Shipping: 60 lbs:

Manufacturer Warranty: One Year Parts and Labor

ModelOffered: **NO Award**

8 HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 52”

Note to the End user:
This is intended for use in classroom, science lab, auditorium, main lobby and large indoor venues etc. (Please remember to order appropriate wall/ceiling mount)

General Specifications:
Full HD TV Monitor, LED-Backlit LCD, 52" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

Specifications

Display Features

Backlight Type : LED
Deep Black Panel
Display Device : LCD

TV System
Display Resolution : Full HD 1080(1920x1080)
Screen Size (cm) : 132.2cm
Screen Size (measured diagonally) : 52"
Viewing Angle (Right/Left) : 178(89/89)
Viewing Angle (Up/Down) : 178(89/89)

Channel Coverage : VHF: 2-13ch UHF: 14-69ch CATV (analog): 1-135ch CATV (digital) : 1-135ch
Color System : NTSC
Number of Tuners (Digital) : 1(Hybrid)
TV System (Analog) : M
TV System (Digital) : ATSC
Tuner (Cable) : Clear QAM
Tuner (Terrestrial) : ATSC™ / NTSC

Aspect Ratio : 16:9

Video
Video Signal : 1080/60p (HDMI™ / COMPONENT), 1080/60i, 1080/24p (HDMI™ ONLY), 720/60p, 480/60p, 480/60i

24p True Cinema™ Technology : Yes
3D Comb Filter : Yes
4:3 Default : Yes
Advanced Contrast Enhancer (ACE) : Yes
Auto Wide : Yes
CineMotion® Reverse 3:2 Pulldown Technology : Yes
Cinema Mode : Yes
Deep Color : Yes
Live Color™ Technology : Yes
MPEG Noise Reduction : Yes
Motionflow™ Technology : 240Hz
PhotoTV HD : Yes
Picture Mode : Vivid, Standard, Custom, Cinema, Game-Standard, Game-Original, Sports, Graphics, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
Video Processing : BRAVIA Engine 3™ Technology
Wide Mode : Normal, Zoom, Wide Zoom, Full (Full1-2 for PC), H Stretch

Audio
5.1 Channel Audio Out : Yes
5.1ch Through Out (Handycam) : Yes
Alternate Audio (Digital) : Yes
Audio Out : Variable/Fixed
Auto Mute (on no signal) : Yes
Auto SAP : Yes
Clear Voice : Yes
Dolby® : Dolby® Digital
Invisible Speaker (w/Sound Elevation) : Yes
S-Master : Yes
Sony Original Surround : Yes
Sound Enhancer : Yes
Sound Mode : Dynamic, Standard, Clear Voice, Custom
SteadySound® Automatic Volume Control : Yes
Stereo System : MTS
Surround Effect : Cinema, Music, Live Sports, Game
Audio Power Output : 20W (10W x 2)
Speaker Configuration : 2
Speakers (Total) : 2

Inputs and Outputs

AC Power Input : 1 (Rear)
Analog Audio Input(s) (Total) : 3 (2 Side/1 Rear)
Audio Out : 1 (Rear)
Component Video (Y/Pb/Pr) Input(s) : 1(1 Side) (Composite input common use))
Composite Video Input(s) : 2 (1 Side (Component input common use)/ 1 Rear)
Digital Audio Output(s) : Optical Digital Output - 1 (Rear)
Ethernet Connection(s) : 1 (Rear)
HDMI™ Connection(s) (Total) : 4(2 Side/2 Rear)
HDMI™ PC Input : Yes (see owner's manual for supported timings)
PC In (D-Sub) + Audio In (Stereo Mini) : 1 (Side)
RF Connection Input(s) : 1 (Rear)
USB 2.0 : 1 (Side)

Internet Video
Internet Widgets
DLNA
Photo MAP

Energy Efficiency
Backlight Off Mode
Dynamic Backlight Control
Eco Settings Energy Saving Switch
Estimated Annual Energy Consumption (kWh) : 209.2kWh/year
Idle TV Standby
LightSensor™ Technology
Power Saving Modes

General
Audio Return Channel : Yes
Closed Captions (CC) : Analog, Digital
Finish (Surface Color) : Black
HDMI™ InstaPort : Yes
Illuminated Sony Logo : Yes
Touch Sensor : Blind Touch Key
XMB : Yes
VESA® Hole Pitch : 300x300 M6
VESA® Hole Spacing Compatible : Yes

Dimensions (Approx.) : 49 3/4 x 32 1/4 x 15 3/4 in (1261 x 819 x 400mm) with pedestal; 49 3/4 x 31 x 2 5/8 in (1261 x 787 x 64mm) without pedestal
Weight (Approx.) : 79.6 lbs. (36.1kg) with pedestal; 66.3 lbs. (30.1kg) without pedestal

Power
Power Consumption (in Download Acquisition Mode) : Less than 16 W
Power Consumption (in Operation) max. : 169W

Power Consumption (in Standby) : 0.17W
Power Requirements (frequency) : 60Hz
Power Requirements (voltage) : AC 120V

Other
Auto Photo Mode : via HDMI, via DLNA, via USB
Auto Picture Setting w/ HDMI™ : Cinema, Sport, Music, Photo, Graphics, Game
Auto Shut-off : Yes
BRAVIA® Sync™ : Yes
BRAVIA® Sync™ Menu Button : Yes (on Remote Control)
Channel Block (with password) : Yes
Channel Jump : Yes
Channel Labels : Yes
Channel Surf : Yes
Edit Channel Labels : Yes
Favorites : Yes
Info Banner : TV Guide on Screen, PSIP, XDS
Input Skip : Automatic
Internet Radio : Yes
Label Inputs : Yes
Multiple Language Display : English, French, Spanish
On-Screen Clock : Yes
On-Screen Display for External Input : Yes
On-Screen Operating Instructions
On/Off Timer PIP (Picture in Picture) : PC Input(HDMI)/TV Channel&CVBS
Parental Control
Picture Adjustments Lock Picture Frame Mode
Quick Start
Scene Select : Auto, Cinema, Sports, Photo, Music, Game, Graphics, OFF
Show/Hide Channels
Sleep Timer Stand Swivel
Stand Swivel Range : Left 20°/Right 20°
Stand Tilt Stand Tilt Range : 2position 0°/ Back 6°"
Start Up Sony Logo Display TV Guide On-Screen Theatre Mode (Theatre Button)
Theatre Mode with Cinema Surround USB Application(s) : Photo Viewer (jpeg), Photo Viewer (RAW), Music Player (mp3), Video Player (AVCHD), Video Player (AVC), Video Player (MPEG4)
USB Player
White Balance : RGB Gain/Bias
Wireless LAN : Integrated

Include accessories:
AC Power Cord
Remote Control
Batteries (Type AAA x2)
Table Top Stand (separate, pre-assembled)

Warranty 1 year parts and labor from date of purchase

Sony BRAVIA 52" 1080p LED-Backlit LCD HDTV Model - KDL-52NX800 or Equivalent

ModelOffered: SONY **KDL-52NX80**0 **$2,005.71**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

9 **HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 55”**

Note to the End user:
This is indented for use in classroom, science lab, auditorium, main lobby and indoor sport venues etc. (Please remember to order appropriate wall/ceiling mount)

General Specifications

Full HD TV Monitor, LED-Backlit LCD, 55" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

Features:

LED Plus w/Local Dimming
NetCast Entertainment Access* (Wi-Fi® Ready)
Wireless 1080p Ready*
TruMotion 120Hz
Full HD 1080p Resolution
Picture Wizard II (Easy Picture Calibration)
Smart Energy Saving
ENERGY STAR® 4.0 Qualified
Intelligent Sensor

AV Mode II (Cinema, Sports, Game)
Clear Voice II
ISFccc® Ready
24P Real Cinema
USB 2.0 (JPEG, MP3, DivX HD)
DivX® HD
4 HDMI™ V.1.3 w/Deep Color
SIMPLINK™ Connectivity
Dolby® Digital 5.1 Decoder
Infinite Sound

Specifications:

Screen Size: 55” Class (54.6” diagonal)
Resolution: 1920 x 1080p
Dynamic Contrast Ratio: 5,000,000:1
Response Time (GTG): 2.4ms
TruMotion 120Hz
Local Dimming
Viewing Angle: 178º/178º

Video
Built-In Tuner: ATSC/NTSC/Clear QAM
XD® Engine
Aspect Ratio: 16:9
Aspect Ratio Correction: 6 Modes
Just Scan (1:1 Pixel Matching)
HDMI™: 1080p/1080i/720p
Component: 1080p/1080i/720p
RF: 1080i/720p
Color Temperature Control: 3 Modes
24p Real Cinema (5:5/2:2 Pulldown)
3:2 Pulldown
Picture Reset
AV Mode II: 3 Modes
Picture Mode: 8 Modes
ISFccc® Ready
Intelligent Sensor Mode
x.v.Color™
DTV Signal Strength Indicator

Audio
Mono/Stereo/Dual (MTS/SAP)
Audio Output Power (Watts - THD 10%): 20W (10W + 10W)
Speaker System Details: 2 Way/4 Speakers
Dolby® Digital Decoder

Surround System: Infinite Sound
Bass/Treble/Balance Controls
Clear Voice II
Auto Volume Leveler II
EZ Sound Mode: 5 Modes

Broadband
NetCast™ Entertainment Access
Yahoo!® TV Widgets
Netflix® Instant Streaming Ready
Vudu™ (Streaming)
Picasa™ Web Albums
YouTube™
Skype™ Ready
DLNA® Certified

Special Features
Wireless 1080p Ready (WHDI™)
Wi-Fi® Ready
Picture Wizard II
Backlight Control
Smart Energy Saving
1080p Source Input
HDMI™: 60p/30p/24p
Component: 60p/30p/24p
RGB: 60p (WXGA)
A/V Input Navigation
Input Labeling
Quick View (Flashback)
Parental Control w/V-Chip
Key Lock
Closed Caption
SIMPLINK™ (HDMI CEC)

Convenience
Language: 4 (English/Spanish/French/Korean)
Auto Tuning/Programming
Channel Add/Delete
Favorite Channel Programming
Auto/Manual Clock
On/Off Timer
Sleep Timer
Auto Off/Auto Sleep (When no video is present)

Inputs / Outputs
RF In (Antenna/Cable): 1 (rear)

AV In: 1 (rear) 1 (side w/gender)
Component Video In (Y, Pb, Pr) + Audio: 2 (rear) 1 (side w/gender)
Digital Audio Out (Optical): 1 (rear)
HDMI™/HDCP Input (V.1.3 w/Deep Color): 3 (rear) 1 (side)
RGB In (D-Sub 15pin) - PC: 1 (rear)
PC Audio Input: 1 (rear)
LAN: 1 (rear)
RS-232c In (Service Only): 1 (rear)
USB 2.0 (JPEG, MPEG-4/DivX HD): 2 (side)
Wireless Control: 1 (rear)
Headphone Out: 1 (side)

Cabinet/Accessories
Cabinet Color: Glossy Black/Evening Purple
Swivel Stand (degrees): +20º / -20º
Remote Control Type: Universal
VESA® Compliant (WxH): 2000mm x 200mm
Remote Control: 1 (Universal)

Power
Voltage, Hz: 100V ~ 240V, 50/60 Hz
Stand-by Mode: >0.1W
ENERGY STAR® 4.0 Compliant

Approximate Dimensions:
Without Stand
Height: 31.4"
Width: 51.4"
Depth: 1.2"
With Stand
Height: 34.1"
Width: 51.4"
Depth: 11.3"

Approximate Weight:
Without Stand: 63.5 lbs
With Stand: 76.1 lbs
Shipping: 86 lbs

Warranty Information:

Manufacturer Warranty: One Year Parts and Labor

LG Electronics 55" 1080p Internet Enabled LED-Backlit LCD HDTV - 55LE5500 Or Equivalent

Model Offered: LG **55LE5500** **$2,175.00**

10 HDTV/MONITOR, 65” MULTIMEDIA

This is a very large Flat Panel display specially intended for use in large auditoriums, Lecture halls, main lobby and indoor sport venues, conference rooms etc. and as a replacement option for video projectors. (Note to end-user: Please remember to order appropriate Pedestal & mounting hardware). Vendor is responsible for the complete installation!

General Specifications:
Flat panel display LCD/Plasma, size 65” Full HD, with
built-in ATSC & NTSC tuners, Composite, component, A/V,
S-Video , HDMI, audio inputs, VGA, with PC Audio IN, Head phone out,
built-in vertical speakers, Multiple aspect ratio selectable
Specifications:
Progressive scan, Closed caption, MTS support, PIP/Split Screen,
65" screen (measured diagonally)
widescreen 16:9 aspect ratio
built-in digital ATSC , QAM and analog NTSC, tuners
1920 x 1080 pixels (full HD) ,100,000:1 dynamic contrast ratio
digital video processing , Four built-in speakers (31 watts)
A/V inputs, including: minimum 1 composite video,1 S-video ,2 component video
(accepting signals up to 1080p)
3 HDMI ,PC input: analog RGB (D-Sub 15-pin) ,RF input for antenna/cable signals
optical digital audio output, USB port
Wide Viewing Angle, Support for 480i, 480p, 720P, 1080i,
V- Chip Parental Control, 2:2/3:2 Pull Down,

Pro Setting Menu, Studio Reference Mode, 900 lines or more moving picture resolution
AR (Anti-Reflective) Filter screen coating, 4:3/Zoom/Full/Just/H-fill TV/AV aspect control,
4:3/Full for PC, 480 Hz Sub-field Drive,, Motion adaptive 3D-Y/C digital comb filter,
Deep Color/x.v. Color via HDMI, Digital Cinema Color, 3D Color Management,,
Motion pattern noise reduction, Sub Pixel Control, Pixel Shifter (anti-image retention)
SD/SDHC memory card slot/Gallery Player ready-to-view with AVCHD/MPEG2

Playback,capability-(H.264)
VIERA Cast IPTV capable with Ethernet port
Mini D-Sub 15-pin PC input, RS-232C port. Game Mode
Video Picture Memory, video input labeling, V-Chip program lockout,
Closed caption decoder
detachable swivel stand , wall-mountable, remote control
Energy Star regulatory approvals, 3 Year warranty,
3 Year Parts and Labor w/ Onsite Coverage for 1st Year.

Panasonic Viera TH-65PZ850U 65" Plasma TV or latest equivalent

ModelOffered: **Panasonic Viera TH-65PZ850U 65TCP65V10 $3,499.00**

11 Blu-Ray disc player

This is intended for use in classroom, office, auditorium, lobby etc
Bluray DVD playback operations

General Specifications:

1080p high definition resolution Compatible with Blu ray disc and backward compatible with
CD/DVD, Up scaling, WiFi Ready, Interactive, Netflix and Pandora streaming capable

Specifications

BD Profile 2.0 (BD-Live Ready); BD Wise

2 USB 2.0 (front and back)

1 Ethernet

Audio Output Mode: Stereo

Parental Lock

Form Factor: Tabletop

DVD Media Loading: Tray

Width: 17 inches

Depth: 7.8 inches

Height: 2.1 inches

Weight: 4.9 pounds

Include: Wireless adapter, Remote control

Manufacturers' One Year Warranty

Samsung BD-P1590 Blu-Ray disc player or Equivalent

ModelOffered: TOSHIBA BDX2000 **$135.48**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

12 **DVD/S-VHS/HDD COMBO RECORD/PLAY FOR CLASS ROOMS.**

General Specifications:
3-in-1 DVD/VHS/HDD video recorder. DVD-R-RW/DVD +R/+RW/RAM DVD recorder, VHS HiFi VCR, Hard Disk video recorder with an 80GB hard drive standard cable-ready tuner, analog and Firewire AV inputs, progressive scan, DivX, and video upscaling via HDMI output, I/O Digital coaxial output, Component video output, S-video outputs, Composite, Digital Audio (TOSLINK), HDMI. One year warranty.

Panasonic **DMR-EH75VS** or latest equivalent

ModelOffered: Panasonic **DMR-EH69GAK** **$380.00**

13 DVD/VCR Rec/ Playback

General Specifications:
DVD/VCR combo, Multi format, Progressive scanning (line doubling), simultaneous recording and playback
Dolby Digital output, S-VHS quasi playback, one-touch recording/playback, PEG photo playback, 24bit / 192kHz A/D, DTS digital output,

DVD
Media Type : CD-R, CD-RW, DVD-R, DVD-RW, DVD, CD, Video CD
Video D/A Converter : 14bit / 108MHz
Audio D/A Converter: 24bit / 192kHz
DVD Additional Features: JPEG photo playback

VCR
Media Type : VHS
Recording / Playback Speed : SLP, SP, EP

Audio
24bit / 192kHz A/D, DTS digital output,
Stereo, 3D Surround

IN/Outs
1 x component video output (RCA phono x 3) - rear 1 x composite video/audio input (RCA phono x 3) - front 1 x composite video/audio input (RCA phono x 3) - rear 1 x composite video/audio output (RCA phono x 3) - rear 1 x S-Video output (4 pin mini-DIN) - rear 1 x SPDIF output (RCA phono) – rear

Width : 17.1 in
Depth : 9.2 in
Height : 3.7 in
Weight: 6 lbs

Include Remote control
Manufacturer's Warranty One Year

Toshiba SD V296 or Equivalent

ModelOffered: **Toshiba SD V296** **$63.00**

14 CART FOR LCD DISPLAY

INCLUDING 2 VCR/DVD PLAYER MOUNTING SHELVES
ASSEMBLY & INSTALLATION REQUIRED
BY THE VENDOR

General Specifications:

LCD mobile cart to position the display anywhere along its poles and to safely support any AV equipment mounted and placed upon it. The kit shall consist of the LCD Display Cart with appropriate mount and 2 X equipment shelves to place one VCR and one DVD player. 60" post height, Lockable casters, - shelf dimensions are 20"W x 16"D with manufacturer's limited lifetime warranty. The vendor shall assemble and securely install the equipment on the shelves. The wiring for proper operation shall also be completed by the vendor. Premier Mounts UPD Series with Clevis Universal Mount & PSD-SHA Optional Shelf or latest equivalent

ModelOffered: **No award**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

15 **MINI DV/DVD/HDD COMBO**

This is intended for multimedia recording, playback and dubbing

General Specifications:
Three-in-one video recorder, All-digital formats of Mini DV, 250GB hard disk drive (HDD), and DVD, stand alone editing/dubbing/viewing production system, built-in Simple non-linear 'play-list' editing, and facility to create finished DVD programs without a computer , Compatible with most non-linear editing systems, IEEE-1394 In/Out, & BNC Connection, dubbing to/from Mini DV tape, Program storage on HDD , High quality DVD creation and duplication , DVCAM™

playback capability, Multi-format DVD (recording & playback of

DVD-R, DVD-RW, and DVD-RAM as well as playback of +R or +RW.)

JVC SR-DVM700US or Latest equivalent

Model Offered: **JVC SR-DVM700US** **$1,124.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

16 **TV Tuner/Receiver, Digital,ATSC/QAM - For Cable & Terrestrial Broadcasts**

Note to End User :
This is intended for use as an external TV tuner for DVD/VHS, TV and projectors
This unit can receive digital ATSC over-the-air HDTV broadcast signals from external antenna or digital Cable clear non-encrypted QAM 64 and 256 TV signal from Cable RF source.

(The Comcast is sending a mixture of both analog and digital channels. Some of the analog channels already converted to unencrypted standard digital (SD) format that can be displayed by the DCT618.

Digital tuner displaying only Standard Digital (SD) or High Definition (HD) Digital channels. However, RF bypass feature to pass analog channels

General Specifications

Fully DVB-C/MPEG2 compliant 256QAM HDTV Receiver 480i, 480p, 720p, and 1080i Selectable Outputs

Receive and decode all over-the-air (ATSC) HDTV/SDTV formats.

Receive and decode Digital Cable (Clear non-encrypted QAM tuner) in HDTV/SDTV formats.

HD Component (Y-Pb-Pr), RGB, and **HDMI** HDTV outputs.

Composite Video (CVBS) and S-Video outputs.

Rear-panel switch for selecting output resolution (1080i / 720p / 480p / 480i).

Digital Volume Control.

V-CHIP & Closed Captioning.

Instant Channel information, signal strength indicator and Electronic Programming Guide (EPG) at one glance.

Master Channel list and 3 Favor Channel lists from OSD menu and remote control access.

selectable 16:9 and 4:3 aspect ratio.

Front panel display for channel number, automatic channel time clock display, channel scan etc , RF passthrough connector

Decoded video in channel 3 or 4 output by CH3/4 switch.

Specifications

Video System (ATSC) : (ATSC) MPEG-2 MP@HL compliant video decoder

Video Type: 480i, 480p, 720p, 1080i

Sound System (ATSC): Dolby Digital PCM

V-Chip and MPAA : Parental Guide Rating Support

AUDIO **:** MTS, Mono / Stereo / SAP

Aspect Ratio: Normal / Full / Zoom
OSD : Multi language OSD

External
Connections

1 x RCA Stereo (L/R) Out

1 x RCA Video Out (480i)

1 x S-video Out (480i)

1 x Component Out (1080i, 720p, 480p)

1 x D-Sub (15 Pin) Out (1080i, 720p, 480p)

1 x HDMI Out(1080i, 720p, 480p)

1 x USB v.2.0 Jack for Service (ATSC Module)
SPDIF (Optical) : Dolby Digital or PCM

TV Antenna: Antenna In (75ohm Coaxial cable, F-connector)
RF Out : F-connector, CH 3/Analog pass through

Power Supply : AC 120V, 60Hz

Power Consumption : 15 W

Dimensions: 14.17”(W)×1.96”(H)×9.84”(D)

Include

Remote Control & Batteries

Composite Audio/Video Cable (RCA, Red/White/Yellow)

Component Video Cable (RCA, Red/Green/Blue)

User's Manual

Warranty Terms: - 1 year, Parts, Labor - 90 days

DCT618 HDTV receiver or equivalent
(http://www.barrel-of-monkeys.com/graphics/dct618/dct618.shtml)

Model Offered: APEX DT502 **$49.95**

17 CAMCORDER, Multi Format,

Note to the End User:
(Please remember to order re-usable P2 Card for tapeless recording !)

General Specifications:
Handheld Varicam camcorder 3CCD, 1/3-inch 16:9
progressive CCD 1100000 Pixel, with LEICA DICOMAR lens
intended for use in TV production Elementary & Middle schools

Specifications
Pick-up Device: 3CCD; (1/3-inch interline transfer type, and progressive modes supported); Lens: LEICA DICOMAR lens with optical image stabilizer, motorized/manual mode switching, 13 × zoom,F1.6 - 3.0 (f=3.9mm to 51mm / 35mm latest equivalent: 28mm ro 368mm); Optical Color Separation: Prism system; ND Filter: 1/4, 1/16, 1/64; Video P2 General (DV CPRO HD , 1080i / 720p); Sampling Frequency: Y : 74.25 MHz, PB/PR: 37.125 MHz; Quantizing: 8 bits; Video Compression System: Compression ratio 1/6.7, DCT + variable length code; Video Recording Bit Rate: 100 Mbps; Audio P2 General (DV CPRO HD , 1080i / 720p); Sampling Frequency: 48 kHz Quantizing: 16 bits / 4ch; Frequency characteristics: 20 Hz to 20kHz Memory Card; Recording Format: DV CPRO HD : (59.94 Hz) 1080/60i (30p over 60i, 24p over 60i, 24pA over 60i), 720/59.94p (30p over 60p, 24p over 60p), 720/30pN (Native), 720/24pN (Native); DV CPRO 50/DV CPRO /DV : 480/60i (30p over 60i, 24p over 60i, 24pA over 60i) Audio Recording Format: PCM digital recording 48 kHz / 16 bits 4ch (DV CPRO HD / DV CPRO 50), 2ch/4ch selectable (DV CPRO /DV) Recording/Playback Time*: Approx.64 minutes; VIDEO connectors

SDI Out: BNC x 1, 0.8Vp-p, 75; HD : SMPTE 292M/296M/299M Standard SD: SMPTE 259M-C/272M-A/IT U-R.BT656-4 Standard Analog Component Output: Component Video Terminal x 1, Y : 1.0Vp-p, 75 Ω , PB/PR: 0.7Vp-p, 75 Ω; Analog Composite Output: Pin jack x 1, 1.0Vp-p, 75 Ω; Audio Connectors

XLR Input: XLR (3-pin) × 2 (Input 1/Input 2), Input High-Impedance Line: 0dBu,
MIC: -50/-60dBu (selectable in menu GUI); Line Output: Pin-jack × 2 (ch1,ch2)
316mV, 600 Ω; Built-in Microphone: Stereo microphone; Phones: Stereo mini jack
(3.5mm diameter); Built-in Speaker: 20mm round shape x 1; Other Connectors
IE 1394: 6 pin Digital x 1 (Input/Output), based on IE 1394 standard USB: Type
mini B connector (USB ver.2.0); Camera Remote: 2.5mm diameter super mini jack for zoom and rec start/stop; 3.5mm diameter mini jack for focus and iris; Monitor, AC Adapter, and other packages; LCD Monitor: 3.5 inches, LCD color
monitor, 210,000 pixels; Viewfinder: 0.44 inches, LCD color viewfinder, 235,000
pixels; AC Adapter: Weight: 160 g; Dimensions: 70 (W) mm x 44.5 (H) mm x 116
(D) mm; Supplied Accessories: A C adapter/charger, AC cord, DC cord, Eye cup,
5400mAh battery pack, Wireless remote controller with button-type battery, Microphone holder, Shoulder strap, Ferrite core, Component video cable, Pin-BNC
conversion plug, P2 card software driver install CD-RO M; Include: Lithium Battery
Battery Charger; A/C Adapter. 5 Year warranty.

Panasonic AG-HPX170 or **Latest** equivalent

ModelOffered: **Panasonic AG-HPX170** **$3.864.00**

(*) Indicates Internal Stock Numbe rs

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

18 TRIPOD SYSTEM (MINI DV CAMERA)

This is a camera support system is for light weight cameras and intended for use in TV studio or for remote location shooting. Tripod system for use with Mini DV Camcorders to support a minimum of 22 lbs. Consists of a universal tripod, featuring robust built-in geared column, integrated adjustable spreader, retractable spiked feet and universal-flat based head mount with Fluid Head- providing continuous adjustable drag control with integrated counter balance mechanism, camera mounting plate,

with 2 pan handles; Dolly with locking capability.

ModelOffered: **Manfrotto model 3068/516/3156** **$630.00**

19LED Dance Floors

General Specifications:

This is intended for use in creative & performance arts schools for use as a dance floor with programmable lighting effects; LED lighted dance floors sections in 4'x4' steel decks that hold at least 1200 lb's a piece and can be clamped together to make any size dance floor as needed. Each installed with 4 LED light strips, the steel frame, a 3/4 " Plexiglas deck, all the cables and includes all materials, safety rails, installation and operator instruction; software application to program and save individual blocks for color, patterns, effects and combinations. Usable from regular 20amp power outlet, **LED Party floor model** or latest equivalent

ModelOffered: **No Award**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

20**TELEVISION STUDIO FOR ELEM. SCHOOLS**

General Specifications:

This is intended for live and taped video production of morning address, instructional materials, documentaries, events, info/educational programs. The studio will also be used for teaching Television classes and training students. The vendor shall procure, install, test and maintain for three years a complete and fully functional functioning Turn-key system including but not limited to the following items or **its latest equivalent and compatible replacements**. All items shall be of pro-sumer / industrial grade supplied with a minimum of one year OEM warranty for parts & labor together with an extended service contract from the vendor. All items, cables shall be marked, labeled, and the wiring be carried out in a professional manner following all industry and safety standards. The vendor shall provide a minimum of 16 hours of training. Up on commissioning, the vendor shall also provide test results, schematics,

documentation and manuals. The system shall be installed in low profile mobile dual video and single audio rack consoles to facilitate remote productions within the school complex (schematic Diagram is available from TV Resources up on request)

ITEM DESCRIPTION	TYPICAL MAKE /MODEL	QTY
Camcorder, 3CCD **adapted for studio use with Tally, ext. VF, P2 Card (as specified in bid item#11)**	**Panasonic AG-HPX170**	2
AC ADAPTER/BATTERY CHARGER		2
LI-ION BATTERY, 2 HR.		2
BATTERY ADAPTER		2
TRIPOD, WITH CAMERA ADAPTER,HEAD, Handle		2
DOLLY for camera support system		2
MIC,LAVALLIER, ELECTRIC CONDENSER, SONY	ECM-44B	3
MIC, HAND HELD	SHURE SM57	3
VIDEO PROD. SWITCHER, Integrated TriCaster VM™, TimeWarp™, LiveText™, DataLink	*Newtek Tricaster	1
MONITOR 4",PVW, LCD,MARSHALL ELECTRONICS	V-LCD4-PRO-L	4
MONITOR,LCD, 7", MARSHALL ELECTRONICS	V-ASL7070	2
TV/ MONITOR, LCD, 19",Wide screen	TOSHIBA 19LV610U	3
MICROPHONE STAND, HEIGHT ADJUSTABLE	MS-10 C	3
Rack case, Fly pack, shock mounted, 12RU, 14" d w. casters , mobile,		2
THREE IN ONE RECORDER, MINI DV+DVD+HDD, JVC	SR-DVM70US	2
AUDIO MIXER, 14 IN, MACKIE	Mackie 1402-VLZ3	1
CD/DVD PLAYER, SAMSUNG	DVD-HD841	1
A/V SELECTOR SWITCH, 5 X 1, JVC	JVC JX-S111S	1
HEAD SET, JVC	HA G101	2
INTERCOM SYSTEM, WIRELESS, 4 USERS,	EAR-TD904	1
TELEPROMPTER SYSTEM W. LCD, TO FIT ITEM #1	DV-11	1
LIGHTING, LED KIT, 1500W	**Image west model KIT/LED-1500**	1
MESSAGING/ INFORMATION/ALERT SYSTEM	Chyron ChyTV-IP-N	1
CHROMA KEY SCREEN with support	LL LC5781 +314	1
DA, AUDIO & VIDEO	Comprehensive CVG-5A	2
Signal converter, analog to digital & digital to Analog each	AJA	1
SCAN CONVERTER	TView Gold	1
INSTALLATION, DOCUMENTATION & TRAINING		1
UPS, APC SmartUPS , 1400VA, RACK MOUNT	SUA1500RM2U Smart-UPS	1

***100% credit to be applied when upgraded to a higher system!- for example, composite to SD**

Model Offered: AS Specified **$44,360.50**

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

21 TELEVISION STUDIO FOR MIDDLE SCHOOLS

General Specifications:

This is intended for live and taped video production of morning address, instructional materials, documentaries, events, info/educational programs. The studio will also be used for teaching Television classes and training students. The vendor shall procure, install, test and maintain for three years a complete and fully functional functioning Turn-key system including but not limited to the following items or **its latest equivalent and compatible replacements**. All items shall be of pro-sumer / industrial grade supplied with a minimum of one year OEM warranty for parts & labor together with an extended service contract from the vendor. All items, cables shall be marked, labeled, and the wiring be carried out in a professional manner following all industry and safety standards. The vendor shall provide itemized prizes, and may substitute latest equivalent items without affecting the integrity of the system. The vendor shall provide a minimum of 16 hours of training. Up on commissioning, the vendor shall also provide test results, schematics, documentation and manuals. The system shall be installed in low profile mobile dual video and single audio rack consoles to facilitate remote productions within the school complex. (schematic is available from TV resources up on request)

ITEM DESCRIPTION	**TYPICAL MAKE /MODEL**	**QTY**
Camcorder, 3CCD **adapted for studio use with Tally, ext. VF, P2 Card (as specified in bid item#11)**	**Panasonic AG-HPX170**	3
Signal converter, analog to digital & digital to Analog each	AJA	1
AC ADAPTER/BATTERY CHARGER		2
LI-ION BATTERY		2
BATTERY ADAPTER		2
TRIPOD, W. CAMERA ADAPTER, Fluid head, +2 HANDLES	Sachtler DV II	3
DOLLY for the camera support system	Sachtler	3
MIC,LAVALLIER, ELECTRIC CONDENSER, SONY	ECM-44B	3
MIC, HAND HELD	SHURE SM57	3
VIDEO PROD. SWITCHER, Integrated TriCaster VM™, TimeWarp™, LiveText™, DataLink	Newtek Tricaster	1
TV/Monitor, 32”, Flat Panel,Multimedia VGA, HDMI, RF,	Viewsonic N3290W	2
LCD 19",Wide screen HDTV/monitor	Toshiba 19HLV87	2
MICROPHONE STAND, HEIGHT ADJUSTABLE	MS-10 C	1
Rack case, Fly pack, shock mounted, 12RU,14” d w. casters , mobile,	any	2
Signal converter, digital to analog, analog to digital, each	AJA	2
THREE IN ONE RECORDER, MINI DV+DVD+HDD, JVC	SR-DVM70US	2
MONITOR,LCD, 7", DUAL	LAIRD LTM-2LCD7	2

AUDIO MIXER, 14 IN, eq, mic/Line	Mackie 1402-VLZ3	
VHS/DVD Combo,	JVC HR-XVC19S	
HEAD SET, JVC	HA G101	
INTERCOM SYSTEM, WIRELESS, 4 USERS,	EAR-TD904	
TELEPROMPTER SYSTEM W. LCD, TO FIT ITEM #1	Broadcast 15 Prompter	
LIGHTING, LED KIT, 1500W	Image west model KIT/LED-1500	
CHROMA KEY SCREEN with support	LL LC5781 +314	
DA, SDI	AJA	
UPS, APC SmartUPS , 1400VA, RACK MOUNT	SUA1500RM2U Smart-UPS	
SCAN CONVERTER	TView Gold	
MESSAGING/ INFORMATION/ALERT SSYTEM	Chyron ChyTV-IP-N	
Microphone snake cable assy, 50', FM. XLR	Markertek SIG-12F	
Interface Panels, A/V I/O	As needed	
HD/SD Sync Generator	**GEN10**	
MIC, WIRELESS, FREQ.AGILE, SYSTEM	ATW-1128	
INSTALLATION/DOCUMENTATION/TRAINING		

***100% credit to be applied when upgraded to a higher system!- for example, composite to SD**

Model Offered: AS Specified **$61,268.25**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

21 **TELEVISION STUDIO FOR HIGH SCHOOLS**

General Specifications:

This is intended for live and taped video production of morning address, instructional materials, documentaries, events, info/educational programs. The studio will also be used for teaching Television classes and training students. The vendor shall procure, install, test and maintain for three years a complete and fully functional functioning Turn-key system including but not limited to the following items or **its latest equivalent and compatible replacements**. All items shall be of pro-sumer / industrial grade supplied with a minimum of one year OEM warranty for parts & labor together with an extended service contract from the vendor. All items, cables shall be marked, labeled, and the wiring be carried out in a professional manner following all industry and safety standards. The vendor shall provide itemized prizes, and may substitute latest equivalent items without affecting the integrity of the system. The vendor shall provide a minimum of 16 hours of training. Up on commissioning, the vendor shall also provide test results, schematics, documentation and manuals. The system shall be installed in low profile

mobile dual video and single audio rack consoles to facilitate remote productions within the school complex. (schematic diagram is available from TV resources up on request)

ITEM DESCRIPTION	TYPICAL MAKE /MODEL	QTY
CAMCORDER, ½" CMOS, STUDIO PACKAGE, MEMORY CARD, W. Lens, CABLES	Sony PMW-EX3	3
AC ADAPTER/BATTERY CHARGER		2
LI-ION BATTERY		2
BATTERY ADAPTER		2
TRIPOD, W. CAMERA ADAPTER, Fluid head, +2 HANDLES	Satchler SACH-0472, FSB-6,3270	3
DOLLY for the camera support system	Sachtler DV 100	3
MIC,LAVALLIER, ELECTRIC CONDENSER, SONY	ECM-44B	3
MIC, HAND HELD	Shure SM58-CN	3
INTEGRATED VIDEO PRODUCTION SWITCHER, digital, SDI, **LiveText**, CG, **NewTek iVGA**, **LiveSet**	*TriCaster BROADCAST	1
TV/Monitor, 32", Flat Panel, Multimedia VGA, HDMI, RF,	Viewsonic N3290W	2
LCD 19",Wide screen HDTV/monitor	Toshiba 19LV610U	2
MICROPHONE STAND, HEIGHT ADJUSTABLE	Atlas MS-10C	1
Fly pack, Rack case shock mounted,16RU,14" d w. casters , mobile,		2
THREE IN ONE RECORDER, MINI DV+DVD+HDD, JVC	JVC SR-DVM700US	2
Wide Screen LCD Monitor with SDI Input, 7"	Marshall V-R70P-SD 7	2
AUDIO MIXER, 14 IN, mic / line, eq,	Mackie 1402-VLZ3	1
VHS/DVD Combo,	JVC HR-XVC19S	1
A/V SELECTOR SWITCH, 5 X 1, JVC	JVC JX-S111S	1
HEAD SET, JVC	JVC HAG101	2
INTERCOM SYSTEM, WIRELESS, 4 USERS,	Ear TD904	1
TELEPROMPTER SYSTEM W. LCD, TO FIT ITEM #1	Broadcast 15 Prompter	1
LIGHTING, LED KIT, 1500W	**Image west model KIT/LED-1500**	1
CHROMA KEY SCREEN with support	LL LC5781 +314	1
MINI Converter, SDI to analong NTSC w.Power Supply	AJA D4E	1
MINI Converter, analog NTSC to SDI, w. Power supply	AJA D5D	1
UPS, APC SmartUPS , 1400VA, RACK MOUNT	APC SUA1500RM2U	2
SCAN CONVERTER	TView Gold	1
MESSAGING/ INFORMATION/ALERT SSYTEM	Chyron ChyTV-IP-N	1
Memory Recorder, XDCAM EX	PMWEX30	1
Signal converter, multi format, analog to digital	AJA	1
Microphone snake cable assy, 50', FM. XLR	Rapco SIG-12F-50	1
Interface Panels, A/V I/O	As needed	1

HD/SD Sync Generator	GEN10	1
MIC, WIRELESS, FREQ.AGILE, SYSTEM	ATW-1128	1
INSTALLATION/DOCUMENTATION/TRAINING		1

*** 100% credit to be applied for upgrade to a higher system!- for example, SD to HD**

Model Offered: AS Specified **$82,500.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

22 Multimedia Projector, 3 LCD, portable

This is intended for use in classrooms, science labs, conference rooms etc.

Front/Rear projection, 3,000 ANSI Lumens (Max)1,contrast ratio of 2000:1 (Full on/Full off), Native XGA (1024 x 768) resolution, with auto sync up to UXGA (1600 x 1200), Lens: standard with optical zoom ratio 1: 1.6x Manual Zoom Lens, Verical & Horiz. Kerning correction, Full connectivity supporting PC, S-video, composite video, component video via VGA and RS-232 connectors
full range of television and video standards support, including NTSC, NTSC 4.43,
PAL, PAL-N, PAL M, SECAM and HDTV (480i/P, 576i/P, 720P, 1080i), 16.7 Million true colors, extended lamp life (up to 6000 hours), Light weight>3 kg, all
relevant cables, remote, hard carrying case. Power: AC power input socket, Computer
Input: One VGA 15 pin D-sub, Computer Output: One VGA 15-pin D-sub, Video Input:
One Composite Video RCA, one RGB/component and one S-Video RS232 Port, USB
Port, Closed Captioning, Networked monitoring & control, message broadcasting,

USB display compatible with Mac. Same 2-in-1 function for display and mouse (no audio). Improved Microphone Support. Supports "plug-in-power" or "condenser" microphones.

Web Remote Function. virtual remote control that works via the web browser.

Pattern Function. Eliminates the need to draw lines on the board. Displays grids for graphs or lines for lettering. Works with black or white backgrounds.

Minimum 3-years warranty, guarantee minimum downtime to less than 48 hours.
Epson Powerlite 825 + or latest equivalent

Model Offered: Epson Powerlite 825 **$698.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

24 Projector, Multimedia Interactive

Note to the end-user:
This is intended for use in new classroom as a wall mounted unit above the hard writing board, which is also used as the screen.
Maximum display size , up to 96" . Please note that no separate projector screen is required. The projector is interfaced via USB.
Functionally, this interactive projector may be considered equivalent to a smart board. It is notintended for desk-top or ceiling mounted applications.
General Description

Interactive,native WXGA 1280 X 800 pixels), 3LCD, 3-chip , 2500 lumens, contrast ratio 2000:1, 16.7 Million color, 10 W audio,

Computer/component video, S-video: ,Composite video,Audio in , Microphone in ,Variable audio out'LAN ,

Serial: RS-232c ,USB , Wireless port 802.11 a/b/g

Specifications

Projection System

- Epson 3LCD, 3-chip optical engine

Projection Method

- Front/rear/wall mount

Driving Method

- Epson Poly-silicon TFT Active Matrix

Pixel Number

- 1,024,000 dots (1280 x 800) x 3

White Light Output

- 2500 lumens (ISO 21118 Standard)[1]

Color Light Output

- 2500 lumens[1]

Aspect Ratio

- 16:10 (native), 16:9, 4:3

Native Resolution

- 1280 x 800 (WXGA)

Input Signal

- NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM

Display Performance

NTSC: 560 lines
PAL: 560 lines

Interfaces

Computer/component video: D-sub 15 pin x 2
S-video: Mini DIN x 1
Composite video: RCA x 1
Audio in x 3: RCA (L&R) x 1, mini stereo x 2
Microphone in x 1
Variable audio out: mini stereo x 1
LAN networking: RJ-45 x 1
Serial: RS-232c x 1
Monitor out: D-sub 15 pin x 1
USB Type B x 1 (USB display, interactive pen)
USB Type A x 1 (USB memory device)
Wireless port 802.11 a/b/g (optional module sold separately)

Resize

- 640 x 480 (VGA), 800 x 600 (SVGA),
  1024 x 768 (XGA), 1152 x 864 (SXGA1),
  1280 x 960 (SXGA2), 1280 x 1024 (SXGA3),
  1280 x 768 (WXGA60-1), 1360 x 768 (WXGA60-2),
  1440 x 900 (WXGA+), 1400 x 1050 (SXGA+),
  1600 x 1200 (UXGA), 1680 x 1050 (WSXGA+)

Throw Ratio Range

- 0.37' – 0.50' (16:10)
  0.37' – 0.50' (16:9)
  0.44' – 0.59' (4:3)

Plug 'n Play

- USB Plug 'n Play for Windows® 2000 or later and Mac OS® X 10.5.1 or later

Projection Lens

- **Type**
  Manual focus
- **F-number**
  1.80
- **Focal Length**
  4.68 mm
- **Zoom Ratio**
  Digital zoom 1.0 – 1.35x

Lamp

- **Type**
  E-TORL 230 W UHE
- **Life (Typical)**[2]
  Up to 3500 hours (ECO Mode)
  Up to 2500 hours (Normal Mode)

Screen Size: (Projected Distance)

- 59" – 96" WXGA
- 55" – 85" XGA

Keystone Correction

- Vertical: ±5 degrees

Contrast Ratio

- Up to 2000:1

Color Reproduction

- 16.77 million colors

Sound Output

- 10W monaural

Operating Temperature

- 41 ° to 95 °F (5 ° to 35 °C)

Power Supply Voltage

- 100 – 240 V, ±10%, 50/60 Hz AC

Power Consumption

363 W
10 W standby (network on)
0.3 W standby (network off)
Direct power on/off
Instant off

Dimension

- **(W x D x H)**
  14.5" x 19.0" x 6.1"

Weight

- 14.1 lb with slide plate
- 12.9 lb without slide plate

Fan Noise

- 35 dB (Normal Mode)
  28 dB (ECO Mode)

Remote Control

- **Features**
  Source search, power, aspect, color mode, volume, e-zoom, A/V mute, freeze, menu, help, auto, enter, esc
- **Operating Angle**
  Rear:
  Right/left: - 55 to +55 degrees
  Upper/lower: +75 to +15 degrees
  Front:
  Right/left: - 30 to +30 degrees
  Upper/lower: 0 to +60 degrees
- **Operating Distance**
  19.7 ft (6 m)

Control I/O

Input Device
Digital infrared pen **Security**

Kensington®-style lock provision
Security anchor (metal) bar
Password protection function

Include Accessories

Projector mount
projector template sheet
installation guide
quick users guide
power cable
USB A/B cabl
computer/VGA cable
user manual
interactive driver
interactive software
network software
remote control with batteries
2 X two interactive pens with batteries
PrivateLine support card
Road Service Program
password protection sticker

Three Year Replacement Warranty Required

Epson BrightLink 450Wi Interactive Projector or equivalent

Model Offered: Epson 450WI **$1,595.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

25 Projector, Large Venue

Note to the End user

This is intended for use in large venue locations, such as auditoriums in High Schools. Please order the Lens separately depending on the throw distance and application (In the new HS auditoriums, **Zoom Lens** shall be specified for projection of images 240" dia. from a throw distance of 95')

General Description

Projector , Large venue, multi media, DLP The 6500 lumens projector features a Dual Color Wheel system and their exclusive Active Maintenance Filter with Dual Lamp Interval system , Hi lumen, hi contrast,
Wireless HD transmission , Dust-resistant sealed optical engine, 24/7 feature "Lamp interval function"

Specifications

Technology: DLP
Native Res.: 1080p
Brightness: 6500 ANSI lumens
Contrast Ratio: 7500:1

Colors: 16.9 million colors
Aspect Ratio: 16:9
Compatibility:
UXGA/SXGA+/SXGA/WXGA/XGA/SVGA/VGA/MAC, 1080p-24/25/30/48/50/60, 1080psf-24/25/30
1080i-50/60,720p-50/60/575p/480p/575i/480i

Inputs (Video): Digital video input x 2 ; DVI-D x 1(HDCP compatible), HDMI x 1(Ver 1.3b(Deep color)) , Analog
RGB input x 1 ; D-sub 15-pin x 1; BNC x 5 (RGBHV, VIDEO)

Outputs (Video): D-sub15 x 1(Analog RGB, Y- Pb/Cb-Pr/Cr, VIDEO)
Weight: 43.6 lbs.
Dimensions: 15.75in W 9.55in H 20.61in D

Minimum 3 Years Warranty required, 90 Days on Lamp, Quick Repair Program (QRP) Under Warranty
Include: Zoom 1: 18 or equivalent Lens
Sanyo PDG-DHT100L or Equivalent

ModelOffered: **Sanyo PDG-DHT100L** **$16,925.52**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

26 Projector, Multi purpose room
This is intended for multimedia projection in the Multi purpose room

General Description
WXGA Widescreen Networking Multimedia DLP Projector with 4000 Lumen DarkChip2™ DLP® Technology , Cable-free projection with standard Internal wireless connectivity providing a link for both data and video from up to four computers simultaneously
contrast 2500:1, 1.6x zoom Lens with vertical and horizontal lens shift , integrated RJ45 connection

Specifications

Resolution : Native WXGA (1280 x 800)
Maximum Resolution : WUXGA (1920 x 1200)
Brightness (Typical): 4000 ANSI Lumens
Contrast Ratio : 2500:1 (Full On/Full Off)
Throw Ratio : 1.57-2.39:1 (Distance/Width)
Image Size (Diagonal): 23.2" to 295.7" (0.59 to 7.51m)
Displayable Colors: 134.2 Million
Aspect Ratio: 16:10 Native, 16:9 and 4:3 Compatible
Keystone Correction: ±30° Vertical
Computer Compatibility: WUXGA, UXGA, SXGA+, XGA, SVGA, VGA Resized, VESA, PC and Mac Compatible
Video Compatibility: NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)

I/O Connectors: HDMI (Audio Supported), DVI-D w/HDCP, Two VGA-In, VGA-Out, S-Video, Composite Video, Two Mini-Jack Audio-In, RCA Audio-In, Mini-Jack Audio-Out, USB, RS-232, RJ45, +12V Trigger
Projection Lens: F= 2.41~3.2, f = 22.18~33.27 mm, 1.5x Manual Zoom and Focus
Lens Shift: Vertical 105-130% Offset, Horizontal ±30% Image Width at v="105%"
Projection Method : Front, Rear, Ceiling Mount, Table Top
Horizontal Scan Rate: 15 - 91 kHz
Vertical Refresh Rate: 50 - 85 Hz
Noise Level (STD/Bright): 30dB/32dB
Operating Temperature: 41 - 95°F (5 - 35°C), 80% Max Humidity, Adjustable Fan Speed for High Altitude Application

Dimensions (W x H x D) : 14.3" x 5" x 11.1" (364 x 127 x 283mm)
Weight : 12 lbs

Include:
Lens
AC Power Cord, VGA to VGA Cable, USB Cable, RS-232 Cable, Remote Control, Batteries for Remote, Lens Cap, CD-ROM User's Manual, Quick Start Card

Warranty 3 Years Optoma Express Replacement Service, 1 Year on Lamp

Optoma TW766W - Professional Series or equivalent

ModelOffered: **Optoma TW766W** **$1,444.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

27 **Projector Screen, Large, Dual vision (Rear/ Front projection)**

Note to the End user

This is intended for use in large venue locations, such as auditoriums in High Schools for both front & Rear projection. The screen is mounted at least 16’ from the front edge of the stage.

General Description

Projector screen, motorized, ,Dual Vision Finish .Front or Rear Projection, 120V, 60Hz Large Venue tensioned Electric Screen, ceiling suspended, HDTV Format, viewing area 146” X 260”, seamless fabrics, automatic thermal overload cutoff to prevent accidental burn-outs. The braking system is designed to eliminate "coasting".
Single Motor Low Voltage Controller

Specifications

Style
Professional Electrol

Front/Rear Projection
Front or Rear

Mount
Wall or Ceiling

Finish
Dual Vision - flame retardant and mildew resistant fiberglass

Tension Control
Tensioned

Image Size
146 x 260" (3.7 x 6.6 m)

Diagonal
298" (7.6 m)

Format
HDTV

Aspect Ratio
16:9

asking Options
12" of black drop at the top

Controls
120V, 60Hz

Integrated Control

3 position control switch with cover plate

Motor mounted inside the roller with a patented noise silencer
Pre-set but adjustable limit switches to automatically stop picture surface in the "up" and "down" positions

Control Options

Single Motor Low Voltage Control (LVC)
Wireless Remote Control for LVC
Radio Frequency Remote
Infrared Remote
Key Locking Switch Cover Plate for 120V Switch or LVC Switch
Key Operated Switch for 120V only (Note: Cannot be used with LVC)
220V (50Hz) Motor, Video Projector Interface Control - 12V or 5V
External SCB-100 - RS-232 Serial Control Board
NET-100 Ethernet-Serial Adapter

Dalite 35283, professional 298 or equivalent

ModelOffered: **Dalite 35283** **$4,634.55**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

28 MONITOR, LCD, 10”

This is intended for video signal display & monitoring applications.

General Description
10.2" Widescreen TFT LCD Color Display
Dual ATSC/NTSC Tuner for Digital and Standard TV broadcast reception
Accepts DTV signals up to 1080i
AV Input Jacks for use with media players, DVR/VCRs, video games, and more
15-pin VGA Interface for use with Computer Systems
Full-range Stereo speakers (6W)
Digital Comb Filter and noise reduction
V-Chip parental control, Closed-Caption, and Electronic Program Guide support
Multi-language on-screen display
Wall-mountable design (VESA 75mm x 75mm)
Display Resolution: 800 x 480

Contrast Ratio: 400:1
Brightness: 300 cd/m^2
Pixel Response: 30 ms
DTV Input Format: 480i, 480p, 720p, 1080i
Video System: ATSC/QAM/NTSC
Menu Language Support: English, Spanish, French
Additional Functions: MTS (Stereo/SAP/Mono); Sleep Timer
Audio Input: RCA Composite Audio; 3.5mm Audio
Audio Output: Integrated Stereo Speakers (6W); 3.5mm Headphone
Video Input: Coaxial Antenna; RCA Composite Video; 15-pin PC VGA
Power: Main Unit: AC 100-240V; Remote: 2 x 1.5V "AAA"
Unit Dimension (WHD): 12.21" x 12.19" x 5.24"
AV Cable
Remote Control
2 x 1.5V "AAA" Batteries
100-240V UL
PRODUCT SPECIFICATIONS
Screen Size (Inches/Diagonal) 10”
HDTV Capable
Screen Format : 16:9 Widescreen TV Imaging
Audio Inputs X 2
Video Inputs X 3
Screen Resolution - Maximum 800x480
Contrast Ratio : 400:1
Response Time (Milliseconds) : 30
Speakers Built-in
Coby TF-TV1022 10.2" Widescreen LCD Digital TV/Monitor or latest equivalent

Model ffered: Coby TF-TV1022 **$109.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

29 VIDEO VISUALIZER

General Description
Digital/Video display, scan/ capture 3 D objects,, transparencies, slides, photo films & X-Rays. 5M pixel CMOS sensor with built-in light box, capable of displaying opaque, Full HD 1080p (1920x1080) output resolution Auto Focus, and auto Image, Continuous Capture, Networking, Annotation, Recording, Split-Screen, PIP, Interactive software with Annotation tool, Video & Audio recording, and Networking, Split Screen, Picture-in-Picture, Display Mode, Capture Mode, Flicker

Filter Control, 160X Total Zoom with a minimum of 20 X Optical Zoom, SD card slot , On-Screen Display (OSD), Color/ B&W/ Negative/ Mirror/Freeze
Functions. DVI-I Output, RGB Input/Output, S-Video, Composite Video Output, RS-232 Port, USB 2.0 Port, LED Light Source

Specifications:

Sensor : 1/2.5", color image sensor C MOS
Total Pixels 5 Million
RGB Output Resolution : Full HD 1080p (1920x1080)
Light source: LED
Lens : F3.5; f= 6~60mm; Auto Focus
Zoom optical ; minimum X 20
Image Adjust. (White Balance & Exposure & Night View)
Lens: F3.5; f= 6~60mm; Auto Focus
Focus : Auto/ Manual
Electronic Image Rotation: 0°/ 90°/180°/270°/360°
Split screen: Vertical & Horizontal
Built-in Memory minimum: 50
SD card slot
Inputs: VGA(15-Pins D-sub, Pass Through)
NTSC , S video (PC Camera/ Mass Storage
Compatible Operating Systems: Windows®, Macintosh®

Accessories to be included:

Power Adapter & Cord
VGA Cable
S-Video Cable
USB Cable
RCA Cable
Remote Control with Batteries
User Manual
Software for annotation tools
Aver vision SPB 350 or **latest** equivalent

Model Offered: Aver vision SPB 350 **$974.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
30	**OVERHEAD PROJECTOR**			

General Description

120V single phase, ENX projection lamp, 4300 lumens light output,

lamp changer; aperture to be 10” x 10” with a 12.5” projection lens. Closed head. Unit must contain overheating cut-off device and built in safety interlock switch; power cord to be no less than 15 feet long; angle adjustment for head to be 30 degrees or more. Closed size and weight to be no more than 13” wide, 18.5 “ long, 8” high and 14 lb. Unit to include side brackets and roll. 3M 1825 or latest equivalent.

Model Offered: 3M 1825 **$179.98**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

31 **CATV sub channel upstream link** **(T9-T13)**

General Description

This system consists of a modulator, processor and two diplexers, as listed in the table below to constitute an upstream link to the head end. This is to send signals
from a remote location such as Auditorium, classroom, sports field etc.
The modulator with sub channel output module option 4 shall be installed at the transmitting end. One diplexer is also used at this location. The processor
with optional module 17 for sub channel input is for use at the Head end along with a diplexer.

ITEM DESCRIPTION	TYPICAL MAKE /MODEL	QTY
Modulator, frequency Agile, with sub band channel output	**AM-60-550 w. option 4**	1
Processor Sub channel input to CATV channel	Ap-60-550 w. option 17	1
Diplexer	DSV-42	2

Minimum 1 Year Parts & Labor Warranty required.

Blonder tongue brand or latest equivalent

ModelOffered: **Blonder tongue** **$1,855.66**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

32 EDITING CONSOLE FOR PRODUCTION/EDITING SYSTEM

The console is intended for installation of video & audio equipment. 3-bay all in one editing console for use with the video production system, monitors, VCR Editing system; Shelves adjust for operator's comfort; Overall dimensions are 33 1/4"H x 72"W x 28"D; Console will be composed from the following components:

1 ea. Winsted E4103 3-bay open console or latest equivalent
5 ea. 41583CR shelf or latest equivalent

VENDOR MUST FULLY ASSEMBLE CONSOLE AND PLACE IN AREA DESIGNATED.

Model Offered: **No Award**

33 LECTERN/PODIUM, TWO PIECE

General Description
This is intended for use in conference rooms and small auditoriums. free standing, detachable top for use as a table top lectern provision for accessory storage in the bottom half, on floor glides with casters. Available in oak or walnut finish, One year warranty. **Luxor LX-100** Two Piece Lectern or latest equivalent

Model Offered: **Luxor LX-100** **$749.98**

34 HANDHELD MICROPHONE

Omni directional dynamic type with 80 - 13K Hz response, impedance 150 ohms, to include: 25' cable, A3F connector, and 312A clamp. Electro-Voice Model 635A w/25' XLR cable or latest equivalent.

Model Offered: Electro-Voice Model 635A **$98.06**

35 PZM MICROPHONE

Frequency response 20 - 18,000 HZ; 600 ohm impedance; 2,000 hour life with one AA battery; 16 feet of cable; 1/4" phone connector. Crown Sound Grabber 2 or latest equivalent

Model Offered: Crown Sound Grabber **$51.00**

36 (LAVALIERE MICROPHONE WITH 25' CABLE

Miniature dynamic microphone; Omni directional pickup pattern; Lo Z; XLR-3-M connector; To include a 25' M to F XLR microphone extension cable. Shure SM11-CN W/Microphone Cable or latest equivalent

Model Offered: Shure SM-11CN **$92.20**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

37 WIRELESS MICROPHONE SYSTEM RECEIVER

General Description
True-diversity; dbx noise reduction; 10 channels; A/B channel LED indicator for diversity monitoring; Independent channel mute controls for the dual antennas; Power on/off LED; Volume control; External AC power supply; 12 VDC compatible; to include RM-1 rack-mount accessory; 30 Hz to 16 KHz ±3dB; -20 dBm volume adjustable, 0 dB max.; 5 K Ohms; Signal to noise better than 100 dB; 15dB/Microvolt = S/N 60 dB; 10.7 MHz IF; THD less than .5% at 1 KHz. To include the following:

BELT PACK TRANSMITTER:

Compact, streamlined body pack transmitter; Strategically located mute on/off switch; Power on/off switch located on side of unit; 6-pin input jack; Battery level indicator; Wire transmitter antenna; Easy-grip battery compartment lid; 174-216 MHz FM crystal controlled; 50 milli watts 50 Ohms; 300 foot range; 15 KHz modulation at -10 dBv input; 9 volt battery, approx. 5-6 hours; 4.3 oz; to include P-6 microphone connector with Shure SM-11 microphone installed. Samson SW4R00

Receiver, P-6 connector installed on a Shure SM-11 and CT3L Belt Pack Transmitter or latest equivalent.

ModelOffered: Shure SM-11 and CT3L **$290.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

38 MICROPHONE/LINE MIXER

General Description
This is intended for multiple audio source mixing as in video production, small scale events. 6 Mono balanced XLR microphone/ 1/4-inch line inputs; balanced 1/4-inch stereo line inputs; 2 Aux sends per channel; 3-bands of EQ on each input; 48-volt phantom power for condenser microphones; built-in power supply; 60mm log-taper faders; Outputs: Stereo XLR balanced switchable from +4dBu to microphone level, 1/4-inch balanced, 2 1/4-inch balanced auxiliary sends, 1/4-inch balanced stereo control room outputs, Stereo RCA tape outputs, Multi-input source matrix; 3-year parts and labor warranty.
Mackie 1402-VLZ PRO or latest equivalent.

Model Offered: **Mackie 1402-VLZ PRO** **$337.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

39 LIGHT KIT, LED

General Description
This is intended for location lighting needs in studio & remote video productions. Light weight. Low heat low power , LED lighting kit, each of the LED lights with 30 degree beam angle lens shock proof construction offering bright light in a small form factor operating on 12v DC or with the included AC adapter drawing >50 watts of electrical power causing virtually no heat radiation, built-in full continuous dimmer
Consisting of: 3 X 500 W Led light fixtures
3X 8’ stands
Carrying bags
1 X Lighting DVD
AC adapter for each

Specifications: Size: 14"W/7.5"H/4.0"D
Weight: 6 lbs
Power Draw: 50 Watts
Hot Light Equivalent: 500 Watts
Voltage: 12v DC, 100-240v AC 50/60hz
CRI: >90
Color Temperature: 5400 +/- 5%
Mounting: Horizontal/Vertical 5/8"
500 LEDs - 500W Output
Ultra Bright 5400K LED's
Runs on 12v or 100-240 AC
Included 12v AC Adapter
Pro Quality 4 Pin XLR Power
Power consumption 50W
High CRI
Adjustable Output
Image west model KIT/LED-1500: 1500 Watt LED 3 Light Kit or latest equivalent.

Model Offered: **Flolight KH/LED-1500** **$1,350.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

40 **PORTABLE HAND HELD DIGITAL STILL CAMERA, WITH ACCESSORIES**

General Description
This is intended for digital still photography. 12.3 Megapixel, DX Format CMOS Sensor, 3" VGA LCD Display, Live View, Self-Cleaning Sensor, D-Movie Mode, High Sensitivity (ISO 3200), 4.5 fps Burst, In-Camera Image Editing, GPS geo-tagging, Includes: 4GB Professional SD Memory Card, camera bag, Battery Charger UC-E4 USB Cable, EG-D2 Audio/Video Cable, AN-DC1 Neck Strap, BM-10 LCD Monitor Cover, BF-1A Body Cap, DK-5 Eyepiece Cap, DK-21 Rubber Eyecup, BS-1 Accessory Shoe Cap, Nikon Software Suite CD-ROM, User Guides, 3 year warranty. **Nikon D90 12.3 MP Digital SLR Camera Body** or **latest** equivalent

Model Offered: **Nikon D90 12.3 MP** **$799.90**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

41 **Bulletin Board/Messaging/Alert Digital Signage System**

This device is intended for use in schools for displaying school related messages,notices, reminders, upcoming events, emergency alerts etc on TV Channel.

General Description
Compact, stand-alone High-Performance, Low-Cost Video Graphics and Information, Alert System for Public-space Television, Video Displays, CATV and CCTV Surveillance Systems to create graphic and text pages using standard applications or supplied templates
Squeeze and position live video window, including dynamic transitions
Dynamic broadcast quality effects such as text pushes, fades and crawls
Animated Text, Graphics and Logos using GIF, AVI, TGA,
Multiple text and graphic zones may be independently sized and positioned
Play audio WAV files with incoming audio page scheduling, including looping durations, specific day, date and time, Ethernet connectivity and remote accessibility, capable of external data interfaces for real-time data updates
such as news, sports, and weather. Rack mounted.
Chyron ChyTV-IP-N or Latest equivalent

Model Offered: **Chyron ChyTV-IP-N** **$1,500.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

42 WALL MOUNT FOR FLAT PANEL DISPLAY

Note to the End user:
(Please provide the brand/model number of the Flat panel while ordering1)
General Description
Multi-configurable mount with a single arm, double arm articulating or near flush mount, ability to configure the mount into several different mounting styles. accommodate nearly every wall mount application, to hold most 10" - 21" LCD monitors, Accommodates monitors with 75 or 100mm VESA standards, Adjustable tilt -5 to +10 degrees, Mount rotates 240 degrees at monitor, 160 degrees at the wall, and 240 degrees

at the elbow joint (double arm configuration) , Feed through wall plate with decorative cover, Load capacity 25 lbs. Total extension with both arms joined is 14.25". **Luxor LLMSW - Universal LCD Monitor Wall Mount** or latest equivalent

Model Offered: **Luxor LLMSW** **$46.61**

43 **TELEVISION WALL MOUNT WITH VCR SHELF**

Note to the End user:
(Please provide the brand/model number of the Flat panel while ordering1)
General Description
Heavy gauge steel tube construction (16 gauge); Arc-welded joints; Triple-stud wall mounting; Steel stabilizer brackets; Swivel and tilt adjustments; Handles 19" to 31" diagonal TV; Video player mount and security locks included; 300 lb. load capacity. Assembly & Installation required!
Advance WMY-2134 w/VP-2, TVM-LK and VP-LK
or latest equivalent.

Model Offered: **Advance WMY-2134 w/VP-2, TVM-LK and VP-LK** **$199.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

44 **TELEVISION WALL MOUNT (WITHOUT VCR MOUNT)**

Note to the End user:
(Please provide the brand/model number of the Flat panel while ordering1)
Heavy gauge steel tube construction (16 gauge); Arc-welded joints; Triple-stud wall mounting; Steel stabilizer brackets; Swivel and tilt adjustments; Handles 19" to 31" diagonal TV; 300 lb. load capacity. Assembly & Installation required!
Advance WMY-2134 w/TVM-LK or latest equivalent.

Model Offered: **Advance WMY-2134 w/TVM-LK** **$183.00**

(*) Indicates Internal Stock Numbers

NO.	DESCRIPTION	QTY.	PRICE	PRICE

45 WALL MOUNT FOR LCD PANEL DISPLAY
(Medium size)

Note to the End user:
(Please provide the brand/model number of the Flat panel while ordering1)
This is for mounting medium sized Flat Panel Displays to walls.
Cantilever design, allowing large LCD's (30"-40") to store flat against wall or pullout via an articulating arm, Mount extends from wall and allows TV to be rotated. Max load - 80 lbs. , VESA 75/100/200 (200mm x 100mm) /400 (200mm x 200mm) compliant, Arm length: wall to hinge is 13.5"; hinge to TV is 8.5" ,Wall plate dimensions: 14.75" H X 1.75" W , Arm extends 25" from wall ,Depth of mount is 3.75" when retracted , 25 degree up/down tilt, controlled with tension screws. Note: provide suitable adapter plate for the specified LCD Screen **OmniMount FP-CL - Large LCD Cantilever Mount** or Latest equivalent

Model Offered: **OmniMount FP-CL** **$119.98**

46 TV WALL MOUNT, UNIVERSAL,
CANTILEVER FOR LCD (LARGE SIZE)

Note to the End user:
(Please provide the brand/model number of the Flat panel while ordering1)
This is for mounting large Flat Panel Displays to walls.
(Order mount to the specific LCD display size, make & Model)
Note: Verify the part is suitable for the make and model

VESA Compatible, Safely designed to be mounted in public places, Made of durable materials such as steel and anodized aluminum alloys. Strong enough to support the specified weight of the FDD with sufficient 'margin of safety', support minimum 148 lbs. mounting supports too be finished finished with a strong, smooth and environment-friendly ABS or polyamide (PA) epoxy coating. compliant with the TUV/GS quality standards, which include product exposure to three times the admissible load for consumer products and up to five times the admissible load for products in the professional range, three pivoting points, Universal adapter with auto lock system, suitable for Screen size range: 40-65 inches with fittings, decorative caps, installation instructions

and a unique five-year guarantee. Vogels Evolution Series Triple Pivot Plasma/LCD Wall Mount (Vesa) EFW-2010 or latest equivalent

Model Offered: Vogels EFW-2010 **$264.98**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

47 MOBILE CART FOR LCD DISPLAY, 60” HEIGHT

Note to the End user:
(Please provide the brand/model number of the Flat panel while ordering1) This is intended for mounting Flat Panel Displays in a mobile environment. Q-Latch Mounting System, pitch adjustable mobile cart with total lock casters to prevent accidental movement of the screen. Height adjustable, allows installation in landscape/portrait views, Height adjustable ,Pitch adjustment 5° up & 15° down, Four 4" swivel casters , Two with total-lock brakes, Two 2" diameter chrome posts , Allows 2° roll adjustment right & left for screen leveling Optional Accessory shelves, One 13" x 13" swivel shelf , 18" x 22" attaches to both posts, tilt wall mount, Requires all items needed for safe mounting and portability of the FDD. **Chief's PTC-CART Mobile Cart** or latest equivalent.

Model Offered: **Chief's PTC-CART** **$430.00**

48 MOBILE CART FOR LCD DISPLAY – 60” HEIGHT

Note to the End user:
(Please provide the brand/model number of the Flat panel while ordering1) Modular design, lightweight, collapsible design to meet a wide range of applications and support weight up to 200 lbs. telescoping height-adjustment mechanism, integrated cable management, Telescoping display height adjustment (4 ft - 6 ft), Smooth rolling casters (2 locking casters), Integrated cable management pathways, CentrisTM mechanism for fingertip tilt adjustments. Lightweight aluminum construction, Must supports portrait/ landscape display orientation, facility to rotate without removing the screen, facility to support up to three optional adjustable-height shelves, Weight capacity:
200 lbs . Includes custom Chief Manufacturing PSB Custom Interface

Bracket Kit for Panasonic Viera TH-65PZ850U 65" Plasma TV.
Chief PFC-2000 Flat Panel Display Mobile Cart or latest equivalent

Model Offered: **Chief PFC-2000** **$490.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

49 AV PRESENTATION CART

General Description
This mobile cart may be used to place video projector for presentation in locations. AV Presentation Cart , Height adjustable from 14 inches to 39 1/2 inches 3 sturdy 18"W adjustable, heavy-duty 3" casters (at least 2 locking), Grommets to keep cords managed between Shelves, Top shelf to hold projector measuring a minimum 8"W x 16"D; lap top shelf size 18"W x 14"D, bottom shelf - 18"W x 18"D.
Balt AV Cart with Adjustable Height Shelf or latest equivalent
Assembly required by Vendor.

Model Offered: **Balt 89768** **$193.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

50 SCAN CONVERTER

General Description
This item is intended for converting computer signals in to video and to interface to the video production switcher. PC-to-TV video scan converter, supporting resolutions of up to 1600x1280, in 24-bit color, both Mac and PC compatible, supporting NTSC, PAL, and SCART outputs, complete with a remote for pan, zoom, sharpness, highlight, spotlight, and pointer capabilities.
TView Gold or latest equivalent

ModelOffered: **TView Gold** **$153.00**

51 **CHROMAKEY BACKDROP**

This is intended for use in TV studio as a chroma key background Green Screen Chrom Key 10'x12' with LastoLite's Background Supports #314. **LastoLite LC5781 or latest equivalent**

ModelOffered: **LastoLite LC5781** **$113.00**

52 **A/V CART**

This cart may be used in classrooms to install A/V items of equipment. A/V cart, wooden presentation center with locking storage for AV equipment and supplies, Equipped with convenient roll bar and two 5" casters for portability. Retractable shelf for use with laptop and presentation materials. Includes 2 shelves, middle shelf adjusts up or down 3" in three positions. Storage drawer 17-1/4"W x 11"D x 8"H. 23-1/2"W x 17"D x 41-1/2" H
over all. Shipping wt: 78 lbs;
Mobile Media Center, Model No. Y3666 or latest equivalent

Model Offered: **Balt ROLZ 2** **$395.69**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

53 T**ELEPROMPTER SYSTEM**

General Description
This device is intended for prompting talents and is used in TV Studio Production. Teleprompter, LCD, 11", with mounting accessories and software DV-9 7.2" Active Matrix LCD Color Display, DV-11 9.0" Active Matrix LCD Color Display, Composite RCA input 12V power, AC adapter, Flips image horizontally and vertically Two video inputs, one mono audio input ,Wireless remote control, 16:9, 4:3 under scan, over scan selectable. PC teleprompter software , Designed for 1 & 3 chip MiniDV included, LCD monitor reverses text, Composite Video Input wireless support, 4:3 or 16:9 monitor, pending mirror assembly with 60/40 beam splitter, accepting any text file from all popular word processing

packages including Microsoft Word. Scroll control by the mouse or the optional wireless controller. **DV-11 Prompter** or **latest** equivalent

Model Offered: **Prompter People Flex-11** **$1,125.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

54 **DISK RECORDER**

General Description
This device is intended for multi track recording and playback in Music/Instrument music rooms. Digital Multitrack Recorder, 8 track simultaneous recording/16 track Playback digital workstation fully functional control surfaces with integrated hard drive and high-speed on-board CD burner to record , upload tracks to computer, 8-track of simultaneous recording with 160 V-takes & 16-track of playback 8 balanced XLR-1/4 inch phone combo inputs with phantom power 16-bit/44.1 kHz linear PCM recording in WAV format, Over 100 effects for guitar/bass/vocal recording, mixing, and mastering Drum/Bass machine with touch-sensitive pads and 500 drum sounds, Built-in CD-R/RW drive and 80 GB HD, Control Surface function for DAW software, Bundled with Steinberg Cubase LE, Sampler function lets you add original drum sounds to Drum Kit, Expanded sampling memory to 60 seconds, Built-in USB 2.0 interface,
Meter-bridge features easily viewable 5-segment LED level meters

Zoom HD16CD Multi track Recording package or **latest** equivalent

Model Offered: **Zoom HD 16CD** **$562.00**

55 **MULTI TRACK DVD RECORDER/MIXER FOR HS**

General Description
This is intended for multi track recording for music recording applications 16-track digital recording, high speed CD burning, software enhancements, featuring a total of 16 tracks plus 8 virtual tracks. 40GB internal HD, non-destructive editing with waveform display and zoom feature for precise waveform editing, digital mixing, minimum 3-band EQ with parametric mid and high on all 16 channels, master EQ, channel and master compressors, eight mic inputs (two with XLR, insert and phantom power), ADAT optical I/O, minimum two effect sends and two aux sends per channel (switchable pre/post), and Scene Memory, at least two multi-effect DSPs, Internal CD-R/RW drive. Fader Pairing allowing channels be paired or ganged

in stereo sets , Channel Solo, BPM Delay, Internal E-IDE 3.5 in. hard disk
recording medium, Recording format: FDMS-3 (Fostex Disk Management
System-3 ver. 1), Sampling frequency: 44.1kHz, Quantization: 16bit linear
(non compressed), ADC: 20bit 64-time over sampling Delta/Sigma, DAC:
24bit 128-time over sampling Delta/Sigma Frequency response: 20Hz – 20kHz,
Dynamic range: 88dB or more T.H.D: 0.01% (typical), Crosstalk: 60dB or
more @1kHz Latest equivalentizer: - 400Hz +/- 18dB (Shelving) 500Hz – 20.2kHz +/-18dB
(Parametric) 500Hz – 20.2kHz +/-18dB (Parametric, Shelving) Inputs Level:
-50dBV (mic) - +2dBV (line), variable -Impedance : 50k ohm or more Insert x 2,
Monitor Out (L, R), Headphone, AUX Send (1/2): Stereo Out (L, R), Footswitch,
Digital In/Out , MIDI: In/Out.
Fostex VF160EX Multitrack Digital Recorder
with CD Burner and Effects and Carry Bag Or **Latest** equivalent.

Model Offered: **Tascam 2488NEO** **$629.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

56 USB / MIDI audio Interface

Note to the End User
This is intended for use for the music department and for post production music sweetening, This may be used in conjunction with any popular music software programs such as the Protools listed below.

General Description
PC /MAC Compatible, High-speed USB 2.0 interface, simultaneous 8 x 8 24-bit/96kHz audio
DSP technology, flexible channel routing, monitor sub-mixing and effects processing

Preamps M-Audio Octane™ technology, premium input circuitry
compatible with Mac and PC, Compatible with all ASIO- and Core Audio-based applications

high-speed USB 2.0 connectivity, MX Core™ DSP mixer and four preamps with Octane™ technology. Featuring both analog and digital I/O, recording on all eight channels simultaneously with 24-bit/96kHz fidelity, processes eight hardware inputs and eight software returns to the eight hardware outputs, delivering flexible routing and monitoring with delay and reverb. Compatible with most major audio software

Built-in Effects Processing , Dual Headphone Amp , reverb and delay on the headphone outputs
six channels of analog inputs and outputs plus 2-channel digital S/PDIF I/O
The robust MX Core™ mixer employs an array of eight individual DSP cores to deliver near-zero latency and a matrix for sophisticated channel routing options
low-noise, high-gain preamplification
+48V phantom power for condenser mics, signal/peak LED indicator lights, gain control
Bundled software

M-Audio Fast Track Ultra 8 X 8High Speed USB 2.0 Interface with MX Core DSP Technology or equivalent

Model Offered: **M Audio Fast track Ultra** **$296.47**

57 Music Software

General Description
PC /MAC Compatible, industry standard in audio/MIDI production software
simple and intuitive interface
session compatibility with all current Pro Tools systems > create anywhere, anytime
hardware compatible with dozens of M-Audio interfaces > flexible options
industry-standard audio/MIDI production environment > know one Pro Tools system, know them all
easy to learn and use > make better music faster
expands the power of your current hardware interface, allowing you to work with up to 48 mono or stereo audio tracks.
Professional Recording, Editing and Mixing
effortlessly manipulate or correct the pitch of any audio region in real time, right inside the Edit window
Containing music creation and sound processing plug-ins

integrated MIDI sequencer and editor allow you to record, edit, and mix up to 256 MIDI tracks

Scoring Music based on Sibelius notation engine, Score Editor to view, edit, arrange and print MIDI data as music notation, Transcribe MIDI parts in real time. Print out a score in its entirety or print only certain instrumental parts, export sessions,

Looping Tools

Allowing use of Third party audio Suite plug-ins

array of new MIDI tools to streamline production with both virtual and traditional instruments.

MIDI Editor windows displaying MIDI and automation data for Instrument, MIDI and Auxiliary Input tracks

multiple Automation and Controller lanes.

support for files up to 4GB

Pro Tools M-Powered 8 or **latest** equivalent

ModelO ffered: **M-Audio** **$134.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

58 **CHARACTER GENERATOR, TV STUDIO Production**

General Description
This is used for basic titling applications for TV productions. Stand alone, Titler and character generator display, insert text over video, display titles, lower third, crawl, roll, etc internally generated colour backgrounds and superimpose over any external NTSC video source. For live& post video production applications, Different font & text color selections, text positioning, editing functions required. To include:
All required software
Character Generator
AT101 Computer Keyboard (KB)
Two 6 Ft BNC|RCA Cables (BNC|RCA)
Standard Power Cable (SPC#1)
Owners Manual (VM-OM)
90 days phone support
One Year Warrant

Video Messenger model VM-3 or Latest equivalent

ModelOffered: **VM-3** **$544.00**

59 MICROPHONE

Mic, hand-held, dynamic, Cardioid (unidirectional) dynamic, Frequency response: 40 to 15,000 Hz, 3-pin professional audio connector (male XLR type)
With accessories Swivel Adapter, 25' Mic cable, Storage Bag**.** Shure SM57
Cardioid Dynamic Microphone or latest equivalent

Model Offered: **Shure Sm 57** **$81.10**

60 DVD PLAYER

General Description
Progressive scan DVD, DivX playback: compatible with CD, CD-R/CD-RW, Video CD/SVCD, DVD, DivX, DVD+R/+RW, DVD-R/-RW DivX, DivX Ultra Video & CD, MP3-CD, MP3-DVD, CD-R/RW, WMA-CD-R/W formats. 12-bit video processing, 24-bit ,192KHz sampling resolution, Composite, A/VComponentVideo, HDMI ,Digital Coaxial
One year warranty. Philips DVP5960 or **latest** equivalent

Model Offered: **Sony DVPSRZWP/B** **$41.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

61 VIDEO ADAPTER KIT

This is for interfacing different types of Video connectors. Containing items including but not limited to the below listed popular video interfaces and adapters

3) BNC Plug to UHF Jack
1) Phono Jack to Jack (Barrel)
3) BNC Jack to UHF Plug
4) Phono Plug to BNC Jack
2) BNC Jack, Plug, Jack (T)

1) Phono Plug to UHF Jack
2) BNC Jack to Jack (Barrel)
1) Phono Plug to 'F" Jack
2) 'F' Jack to Jack Barrel
4) Phono Jack to BNC Plug
2) BNC 751/2 Terminator
1) Phono Jack to UHF Plug
1) BNC Jack, Jack, Jack (T)
1) Phono Jack to 'F' Plug
1) BNC Plug to Plug, Barrel
1) 'F' 751/2 Terminator
1) BNC Jack to Plug (Rt. Angle)
1) S-VHS Female Barrel

Model Offered: **VKIT-1** **$42.00**

62 AUDIO ADAPTER KIT

This is for interfacing different types of audio connectors. Containing items including but not limited to the below listed popular audio interfaces and adapters

3) 3.5mm Mini Male to RCA Phono Female
2) 1/4" Standard Phone Female to Female (Barrel)
3) 3.5mm Mini Male to Standard Phone Female
1) RCA Phono Male to 3 Pin XLR Female
3) RCA Phono Male to Mini Female
1) 1/4" Standard Phone Male to 3 Pin XLR Female
3) RCA Phono Female to Female, Barrel
1) 3 Pin XLR Male to RCA Phono Female
2) RCA Phono Male to 1/4" Standard Phone Female
1) 3 Pin XLR Male to 1/4" Standard Phone Female
2) 3.5mm Mini Female to Female, Barrel
1) 3 Pin XLR Male to Male, Barrel
2) 1/4" Standard Phone Male to RCA Phono Female
1) 3 Pin XLR Female to Female, Barrel
2) 1/4" Standard Phone Male to 3.5mm Mini Female
1) Firewire 4 pin to 6 pin
1) Firewire 6 pin to 6 pin

Model Offered: **AKIT-1** **$42.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

63 **SCREEN - TRIPOD – LENTICULAR**
70" x 70" flat white surface, mildew and flame proof, tensioning device, spring roller, adjustable height, and metal case. Bretford 3770 or latest equivalent.

Model Offered: **Buhl TPS-T70** **$70.00**

64 **SCREEN - GLASS BEADED**

9' x 12', spring roller wall and ceiling type enclosed in a rigid metal case with brackets. Flame and mildew resistant. No border. Draper Luma 2 or latest equivalent.

Model Offered: **Draper Luma 2** **$469.00**

65 **SCREEN - WALL TYPE (CLASSROOM)** ____
96" x 96" matte white surface, mildew and flame proof, spring roller, with safety roller lock enclosed in metal case. Dalite or latest equivalent.

Model Offered: **Dalite 96 X 96 M/W** **$112.45**

66 **PORTABLE CASSETTE RECORDER/PLAYER WITH LISTENING CENTER**

Unit must have permanently attached 3 wire power cord with storage compartment, power output of 10 watts, must contain 6 headphone jacks each 1/4 inch monaural type, must have built-in condenser microphone as well as 1/4 inch input jack for external microphone, auxiliary input and speaker output.
Califone 5270AV w/4805A hand held microphone or latest equivalent.

Model Offered: **Califone 5272 AV w/4805A** **$76.10**

67 **LISTENING POST (JACK BOXES)**

Must contain eight (8) 1/4" standard phone jacks for headsets, and one (1) 1/4" standard phone jack for connecting additional listening posts. Box must be made of plastic and measure 3-3/4" x 6-1/4" x 2". With coiled cord. Permanently attached. UL Approved. Avedex or latest equivalent

Mode Offered: **Califone 1209 AV/PY** **$6.94**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

68 **COMBO CASSETTE RECORDER AND CD PLAYER**

General Description
This is mainly intended for use in auditorium, TV studio and other professional applications. Professional CD/cassette player, MP3 playback from CD capability, Individual outputs for CD, cassette, and CD plus cassette, Fader start on both CD and cassette decks, Pitch control, Single-track play possibility, Auto cue after track selection Digital SPDIF cinch output, Dolby B/C and HX-pro noise reduction Automatic and manual record level, 2 microphone inputs, Digital tape counter with memory, Quick reverse with optical sensing, Professional control buttons, 6.3mm headphone output with source selector, CD synchro recording and dubbing, CD dubbing searches for CD peak level and automatically adjusts record level, Continuous rec/play via cascading connection, One Year Warranty.

Marantz PMD351 CD & Cassette
Combo Deck or latest equivalent

Model Offered: **Marantz PMD 351** **$563.98**

69 **COMBO CASSETTE RECORDER & CD PLAYER**

General Description
This is mainly intended for use in classroom audio playback Applications, Combo CD Player/Audio Tape Recorder/Player , 7 Watts RMS (T.H.D. 10%) speaker amplifier , ¼" stereo phone jacks x 5, Aux input (mini x Records audio tapes directly from CD's. Vibration & skip resistance CD deck. Left & right balance control. Built-in Listening Center with 5 headset jacks. Audio Deck: Record, play, review, cue/fast forward, pause, stop, eject. CD Deck: Play, stop/ clear, skip. Automatic Record level control (ALC), built in Speaker & Headphone jacks. Specifications: Amplifier : 7 Watts RMS (per channel),
(D.H.T. 5%)
Frequency Response: 125Hz ~ 8KHz

Signal To Noise Ratio: 45 dB

Eiki7070ACDPlayer&Tape Player/Recorder or latest equivalent

ModelOffered: **Eiki 8080** **$214.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

70 **27" LAMINATOR**

General Description
25 to 27" laminating width; Pre-set 5.5'/minute speed and pressure; Spring loaded adjustable tension on laminating and pull rollers; Adjustable tension on both upper and lower supply rolls; External thermometer; Accommodation for 1000' rolls (.0015" plastic); Adjustable feed guides; Teflon coated heat shoes; Separate heat shoe and heating element; Adjustable temperature; Constant heat recovery; Maximum temperature stop; Manual; Heavy-duty chain and sprocket drive; Interchangeable laminating and pull rollers made of top-grade silicone rubber; Serrated edge for trimming; 15" x 32" x 20"; 63 lb.; 2300 watts.
One Year Warranty.
Dry-Lan Model 25 or latest equivalent

Model Offered: **DryLan 25 (LPE6510)** **$1,369.95**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

71 **P2 Memory Card**

Note to the End user

This is intended for use with P2 compatible Panasonic Cameras and replaces the tape media.

General Description

P2 memory card, 16GB E-Series P2 Card featuring memory technology, high transfer speeds, reusable compatible with the entire line of P2 products.

Specifications

Capacity
16GB

Maximum Record Time
16 minutes in DVCPRO HD or AVC-Intra 100
20 minutes in AVC-Intra at 1080/24p Native
40 minutes in DVCPRO HD or AVC-Intra 100 at 720/24p Native
32 minutes in DVCPRO50 or AVC-Intra 50
64 minutes in DVCPRO

Compatible Cameras
P2HD Cameras and Players

Panasonic E-Series AJ-P2E016XG

Model Offered: **Panasonic AJ-P2E 16 XG $375.00**

72 **DVC PRO VIDEOCASSETTE STUDIO**
64 MINUTE – Large size, 64 minute DVC Pro videocassette. Panasonic AJ-P64L or latest equivalent.

Model Offered: **Panasonic AJ-P66M $15.00**

73 **DVC PRO VIDEOCASSETTE STUDIO**
126 MINUTE – Large size, 126 minute DVC Pro

videocassette. **Panasonic AJ-P126L** or latest equivalent.

Model Offered: **Panasonic AJ-P126L $22.00**

74 **DVC PRO VIDEOCASSETTE**
CAMCORDER 66 MINUTE - Medium

Medium size 66 minute DVC Pro videocassette.
Fuji DVCPRO 66M or latest equivalent.

Model Offered: **Fuji DVCPRO 66M $13.93**

75 DVC PRO VIDEOCASSETTE CLEANING TAPE

LARGE SIZE - DVC Pro head cleaning videocassette.
Panasonic AJ-CL12L or latest equivalent.

Model Offered: **Panasonic AJ-CL 121** **$25.73**

76 DVC PRO VIDEOCASSETTE CLEANING TAPE

MEDIUM SIZE - DVC Pro head cleaning videocassette.
Panasonic AJ-CL12M or latest equivalent.

Model Offered: **Panasonic AJ-CL12M** **$16.78**

77 S-VHS VIDEOTAPE, 182 MINUTE.

182 minute S-VHS, back coated, broadcast quality videocassette.
Maxell ST-182BQ or latest equivalent.

Model Offered: **Maxell ST-128BQ** **$13.98**

78 S-VHS VIDEOTAPE, 126 MINUTE.

126-minute S-VHS, back coated, broadcast quality videocassette.
Maxell ST-126BQ or latest equivalent.

Model Offered: **Maxell ST-126BQ** **$8.98**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

79 MINI DV VIDEOTAPE, 63 MINUTE.

63-minute MiniDV videotape cassette, back coated,
broadcast quality videocassette.
Panasonic DVM63 or latest equivalent.

Model Offered: **Panasonic AYDYM 63PQ** **$2.33**

80 **DV VIDEO CASSETTE VIDEOTAPE, 124 MINUTE**

124-minute DV digital videocassette, back coated, broadcast quality videocassette. **Panasonic AY-DV124MQ** or latest equivalent.

Model Offered: **Panasonic AYMDV124AMQ** **$12.10**

81 **CONSUMER DV MINI PLASTIC CASE, 60 MINUTE.**

Linear Plus technology. featuringDiamond-like, carbon-coated thin film for durability and reduced tape friction.
Panasonic AYDVM60 or latest equivalent

Model Offered: **JVC MDC60DV** **$1.50**

82 **PERSONAL STEREO AUDIO HEADPHONES**

Stereo headphones for use with audio components. Lightweight, adjustable headband for comfort of any student k-12. Replaceable foam ear cushions that keep unit comfortable and easy to clean. Two meter cord with 1/8" plug and a ¼" adapter. Unit should include a re-closeable bag that when sealed kills lice in 24-48 hours without the use of chemicals and also gives students a place to write their names. Hamilton Electronics model HA2/MS-2F as above or latest equivalent

Model Offered: **Hamilton HA-2M** **$2.75**

83 **PERSONAL AUDIO STEREO HEADPHONE CLASS/LAB PACK (24 per kit)**

General Description
Class/Lab pack includes 24 headphones with re-closeable bags, and a durable lockable carrying case capable of holding thirty-four headphones. Stereo headphones for use with audio components. Lightweight, adjustable headband for comfort of any student k-12. Replaceable foam ear cushions that keep unit comfortable and easy

to clean. Two meter cord with 1/8" plug and a ¼" adapter. Unit should include a re-closeable bag that when sealed kills lice in 24-48 hours without the use of chemicals and also gives students a place to write their names. Hamilton Electronics model LCP/24/HA2 or latest equivalent

ModelOffered: **Hamilton LCP/24/HPZ** **$60.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

84 **ERSONAL AUDIO STEREO HEADPHONE**

REFRESH KIT
Refresh kit for Hamilton Eklectronics model HA2/MS-2f Headphones, Kit includes a new re-closeable storage bag and a pair of new ear cushions. Hamilton Electronics #5076 or latest equivalent

Model Offered: **Hamilton SO76** **$1.50**

85 **PROFESSIONAL TELEVISION LIGHTING KIT**

General Description
This item is intended for lighting needs in remote production. Portable television light kit consists of (3) 1-lamp fixtures with 55 watt high frequency ballasts, (3) light stands, assorted gel frames and control screens and one set each of 3200K and 5600K lamps. The equipment is packaged within a soft-sided case that has a pop-up handle and casters for pull behind transport. Must include three p/n 016-117-P pipe clamp mounts (not normal component of the kit).

Brightline model SK1.1N-3 light kit.
No substitutions accepted.

Model Offered: **NO Award**

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

86 A/V RECEIVER, 7.1 CHANNEL SURROUND SOUND

General Description

This is intended for use in auditorium, multi-purpose halls, large avenue. It may be used to integrate all sources and to connect a high quality output to large Flat Panel Display or projector.

Audio

Impedance: 8 Ohm

Channel Power Rating: 120 Watts X 7 Amplifier Power (8 ohms, 1Khz, 0.7% THD)

Sound Fields: Cinema - 4; Music - 8; Auto Format Decoding - 12; 2 Channel - 1

Zones: 2 Zone/2 Room

Tuner Type: Auto Tuning, Direct Tuning, Station Name, Presets 30/30/30 (XM/FM/AM)

Digital Cinema Sound Technology

Dolby Digital Decoding - Dolby Pro LogicII Decoding

dts 96/24 Decoding - dts NEO:6 Decoding

Dolby Digital EX Decoding

Dolby Pro Logic IIX Decoding

Amplification Relocation

Dolby Pro Logic Decoding

dts-ES Decoding

Convenience

AM/FM Memory Presets: 30 FM - 30 AM

XM Connect and Play Compatible - XM Memory Presets: 30

Sound Fields

A/B Speaker Switch: A / B / A+B

On Screen Display

Digital Cinema Auto Calibration (Mic- Mono)

HDMI Technology: Intelligent A/V Selector

Inputs and Outputs

S-Video Input(s): 4 (1 Front, 3 Rear) - S-Video Output(s): 1 (Rear)

Composite Video Input(s): 5 (1 Front, 4 Rear)

Composite Video Output(s): 3 (Rear-1 Monitor Output, 2 Video Outputs)

Optical Audio Input(s): 4 (1 Front, 3 Rear)

Optical Audio Output(s): 1 (Rear)

Coaxial Audio Digital Input(s): 3 (Rear)

RCA Audio Input(s): 4

RCA Audio Output(s): 2

Multi-Channel Input(s): 1 (Rear, 7.1 Channel)

Subwoofer Output(s): 1 (Rear)

AC Outlet: 2 (Rear) Switched

Antenna Terminal (AM Loop): 1 (Rear)
Antenna Terminal (FM 75 Ohm): 1 (Rear)
Headphone Output(s) (Front- Gold)
Speaker Terminal Type: Screw Binding Posts (A & B)
HD Component Video Input(s): 2 (Rear)
HD Component Video Output(s): 1 (Rear)
HDMI Connection Input(s): 2 (Rear)
HDMI Connection Output(s): 1 (Rear) Repeater
Minimum One Year Waranty
Sony STR-DG1000 or **latest** equivalent

Model Offered: **Sony STR-DN1000** **$329.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
87	**LOUDSPEAKER, WALL MOUNT**			

This is intended to be used with the A/V Receivers or for any sound applications. 150W, 4-WAY, Wall-Mount, 8ohm, magnetically shielded, 55Hz-40kHz frequency range. 700Hz, 4kHz, 20kHz cross over Frequency, Warranty minimum of 5 Year Parts & Labor. **JBL LC2 Studio L Series 4-Way Dual 6"** 150-Watts or latest equivalent

ModelOffered: **JBL LC2 L Series** **$270.00**

(*) Indicates Internal Stock Numbers

ITEM		EST.	UNIT	TOTAL
88	**PORTABLE HANDHELD DV CAMCORDER**			

FOR ELEMENTARY SCHOOLS

1/6" 680,000 Pixels, 32x Optical, .7" Wide LCD monitor, Optical Image Stabilization, Digital effects, Zoom Mic, Link IEEE1394: - x1, A/V: - x1, USB, Item shall include LI Battery pack, battery adapter/charger, camera bag. 1 Year Warranty.
Panasonic PV-GS80 or **latest** equivalent

Model Offered: **Panasonic ADR-S26K** **$239.98**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

89 PORTABLE HD CAMCORDER

This item is a handheld camcorder/digital camera combo which may be used for recording events and programs in remote locations. AVC HD, /4" CCD x 3, 560K Pixels x 3, Leica Dicomar, F= 1.8-2.8, 12 X Zoom Optical Image Stabilizer, Stereo 5ECM 5.1ch Surround Sound, Focus, Aperture, Shutter Speed, White Balance, Records to SD/SDHC, 2.1 MEGA: 1920 x 1080 (16:9) still, Microphone IN USB2.0,HDMI, Composite, Component Video outs, Item shall include:

- 4GB SDHC Card
- IR Remote
- A/C Adapter & Cable
- DC Cable
- LI Battery Pack, Battery Charger
- USB
- A/V Cables
- Component video cables, Camera bag
- Operations Manual
- One Year Warranty

Panasonic HDC-SD60Kor **latest** equivalent

Model Offered: **Panasonic HDC-SD60K** **$424.00**

(*) Indicates Internal Stock Numbers

ITEM	EST.	UNIT	TOTAL

90 CAMCORDER, MULTI-FORMAT, DIGITAL, HD

General Description

1.1 million active pixels with a spatial offset , 14-bit A/D conversion and 19-bit inner processing ,3 X -1/3 in 235K pixels CCD, 3 Lux sensitivity, Mini DV &
Solid-State, Memory Card, HD Format Camcorder, PCM Stereo, 3.5 in. Color Viewfinder LCD, Wider Angle (13X) Leica Dicomar® Zoom Lens,
Optical Image Stabilizer, Cam-driven manual zoom, large manual iris control, focus assist, gain, two ND filters (1/8th and 1/64th) as well as slow, synchro and high-speed shutter

Specifications

Support for 1080/60i, 1080/24p, 1080/24pA, 1080/30p, 720p/60p, 720/24p (over 60p), 720/30p (over 60p), 720/24pN native, 720/30pN native 480/60i, 480/24p (over 60i), 480/24pA (over 60i), 480/30p (over 60i)

Uncompressed 4-channel, 16-bit digital audio recording in DVCPRO HD and DVCPRO50

Eight Gamma settings for various shooting scenarios,
Internal downconversion to Mini-DV Tape

3.5" LCD monitor

IEEE 1394 and USB 2.0 beyond all other A/V connectivity I/O: S-Video, Composite (Video) , Audio (RCA) , Headphones Jack, FireWire / DV / iLink, IEEE 1394 and USB 2.0. To include: Software,

Include:
A/V Cable, Shoulder Strap, 2 Hour Lithium Rechargeable Battery Battery Charger, AC Power Adapter, Remote Control, Camcorder ,UV Filter,
Deluxe Camcorder Case, Deluxe Lens Care and Maintenance Package,
Screen LCD Protectors, Mini DV Head Cleaner, One Year Warranty.

Panasonic AGHVX200A HD or Latest equivalent

Model Offered: **Panasonic AGHVX 200A** **$3,503.00**

91 NLE EDITING, TURN-KEY SYSTEM, FINAL CUT PRO

General Description
This is intended for post production editing of programs taped in the TV Studio in Final cut format. The suite will also be used for teaching Television classes and training students.
The vendor shall provide all system components including cables, hardware, software in required quantities to form a complete, functional Non Linear Editing system but not limited to the items listed below.

Apple - Mac Pro Two 2.66GHz Dual-Core Intel Xeon, 1GB, 250GB, 7300 GT, No BT or AP
Apple - Mac Pro Two 2.66GHz Dual-Core Intel Xeon, 1GB, 250GB, 7300 GT Specifications
Two 2.66GHz Dual-Core Intel Xeon 1GB (2 x 512MB) 250GB 7200-rpm Serial ATA 3Gb/s
NVIDIA GeForce 7300 GT 256MB (single-link DVI/dual-link DVI)One 16x SuperDrive
Apple Keyboard and Mighty Mouse - U.S. English Mac OS X - U.S. English
Apple Cinema Display 23" Flat Panel
Apple Aluminum Cinema Display 23" Flat Panel
Apple Final Cut Studio 2
Apple Final Cut Studio 2 (Retail SKU) - With six applications, Final Cut Pro 6 for video and film
editing, Motion 3 for graphics and animation in 3D, Soundtrack Pro 2 for professional
audio post-production, Color Compressor 3 and DVD Studio Pro 4 for digital delivery

Model Offered: **No Award**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

92 **NON LINEAR EDITING, TURN-KEY SYSTEM- AVID**

This is intended for post production editing of programs taped
in the TV Studio in Final cut format. The suite will also be used for
teaching Television classes and training students.
The vendor shall provide all system components including cables, hardware, software in
required quantities to form a complete, functional Non Linear Editing system but not
limited to the items listed below.

HP Workstation xw8400
2.66 GHz (or faster) Dual Dual-Core Xeon
NVidia Quadro FX1500
Cache Memory
4 MB L2 cache

Cache Per Processor
4 MB (2 x 2 MB)
RAM
2 GB (installed) / 32 GB (max) - DDR II SDRAM - ECC - 667 MHz - PC2-5300
Storage Controller
RAID (Serial ATA-300) ; RAID (Serial Attached SCSI)
Hard Drive
1 x 160 GB - standard - Serial ATA-300
Optical Storage
DVD±RW (+R DL) with LightScribe Technology
Monitor
22" Widescreen TFT LCD Monitor
1000:1 Contrast Ratio ,500 cd/m2 brightness 1680 x 1050 resolution ,
5 ms response time, DVI-I & VGA inputs, Integrated speakers
X@GEN MW22U or latest equivalent
Software
Avid Xpress® Pro
Compatible with Microsoft Windows XP SP2 & Mac OS X 10.4.6, 10.4.7 or 10.4.8
Avid Xpress® Pro shall include:
Avid Marquee® ,Digidesign® AudioSuite™ ,IllusionFX™
Avid Filmmaker's Toolkit ,SmartSound SonicFire Pro
Sorenson Squeeze Compression Suite, Sonic DVDit (PC Only)
Noise Industries Factory Tools (Mac only)
Avid Xpress Pro Users Guide, Basics Guide, and Effects Guide manuals
Support for the following Project formats:
NTSC, 720p/23.976, 720p/29.97 HDV, 1080p/23.976,1080p/24, 1080i/59.94 HDV
10-bit 1:1 SD video support , DV50 capture and output over IEEE-1394
MXF media support, MPEG-4 (.mp4) , H.264 ,3GPP ,AVC , AVC HD,Sony PSP,
Macromedia Flash Movie (.swf), Macromedia Flash Video (.flv) ,QuickTime (.mov) ,
Windows Media Video (.wmv), RealMedia (.rm) , MPEG-1/2 (.mpg),DVD

Model Offered: **No Award**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
93	**CD PLAYER/AUDIO TAPE RECORDER/PLAYER COMBO, WITH BUILT-IN SPEAKERS**			

This is a lightweight portable combo unit for use in classrooms and other educational applications. This is 120 V AC 60Hz A/C only device! Cassette, stereo, Record, Playback and Erase Heads, 7 Watts RMS (per channel), (D.H.T. 5%) speakers; Microphone Input, Auxilary Input Jack, 120 V AC 60Hz, Built-in Listening Center with 5 headset jacks. Direct recording from CDs. Audio Deck: Record, play, review, cue/fast forward, pause, stop, eject. CD Deck: Play, stop/clear, skip Automatic level control (ALC) for Record level control. Signal To Noise Ratio 45 dB C-30, C-60, C-90 tape capacity, resettable Tape Counter.
EIKI Model 7070 or latest equivalent

Model Offered: **NO Award**

94 MULTI TRACK PORTABLE HANDHELD RECORDER

General Description
Built-in X/Y stereo condenser mics , variable recording patterns at either
90° or 120°. digitally controlled, high-quality mic preamp, ability to use internal
and external mics simultaneously for 4 channel recording, LCD screen,
Built-in X/Y stereo mics record at either 90° or 120°, Four channel simultaneous
recording using built-in and external mics; Digitally controlled, high-quality
mic preamp for improved audio quality, Large 1.9-Inch LCD screen and improved
user interface for easy operation, 24bit/96kHz Linear PCM recording for
pristine recording, MP3 recording for increased recording time, Built-in reference
speaker to check recordings, Shock resistant rubberized body for improved chassis
protection, Broadcast Wave Format (BWF) compatible time stamp and track marker,
Records on SD/SDHC media of up to 32GB for maximum recording time, Auto-
record and pre-record feature so you never miss a moment, Variable speed playback

capability for phrase training, Stamina mode enables 10 hours of continuous battery life,
Onboard mid-side matrix decoder for additional miking possibilities, Built-in mounting
joint for tripod and mic stand mounting, USB 2.0 port for faster file transfer, XLR mic
inputs with phantom power allow recording with any mic, Supports plug-in power
type external mics, Hi-Z Inputs for recording guitar and bass, Studio effects onboard,
including guitar and bass amp modeling, USB audio interface capability, Low-cut filter
to reduce noise, Normalizing and file splitting functions, Mono mix function, Onboard
tuner and metronome. To include 1 GB SD card, wind screen, mic clip adapter, AC
adapter, USB cable, protective case and Cubase LE recording software, RC4 remote control
Zoom H4n Handy Portable Digital Recorder or latest equivalent

Model Offered: **Zoom H4N** **$235.00**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

95 **PORTABLE PA SYSTEM**

This is meant to be used for sound reinforcement for small gathering
at locations. PA Package consisting of 20 channel mixer and two speakers ,
floor monitors and the power amp three vocal microphones , speaker and
mic cables, 2 x 600-Watt stereo powered mixer (1,200 Watt bridged mode),
20-channel mixer section, 12 mono and 4 stereo channels plus separate tape returns,
2 studio-grade 24-bit stereo FX processors with minimum 100 presets including
reverb, chorus, flanger, delay, pitch shifter and various multi-effects, FBQ Feedback

Detection system revealing critical frequencies for easy feedback removal, 12 high-
quality IMP Invisible Mic Preamps with switchable +48 V phantom power for
condenser microphones 3-band EQ, switchable Low cut filter and Clip LEDs on
all mono channels, Stereo 7-band graphic EQ for precise frequency correction of
monitor or main outputs, Voice Canceller function Selectable stereo (main L/R), double
mono (main/monitor) or bridged mono amplifier, operation mode Standby switch to
mute all mic input channels during breaks while background music is provided via
tape inputs 3D stereo surround effect for more vitality and enhanced stereo image,
Adjustable stereo CD/Tape input for connecting external line sources, Multi-functional
stereo Preamp outputs, response and very low power consumption. To include the
following items:

1 X 1200 Watt 20 Channel Powered Mixer (2 x 600-Watt stereo powered mixer
(1,200 Watt bridged mode)
2X 15 inch 2 Way PA Enclosures
1X Power Amp
2 X Tripod Speaker Stands
3X Vocal Mics with Clip
3 X 20 foot CBI MLC20 Mic Cables
2 X 12 Inch Floor Monitors
2 X 10 Foot Instrument Cables
4 X Speak on to Quarter Inch Speaker Cables
Specifications
Microphone Inputs
Type: XLR, electronically balanced, discrete input circuit
Frequency Response: <10 Hz-155 kHz (-1 dB), <10Hz- >200 kHz (-3 dB)
Gain: +10 dB, +60 dB
Max Input Level: +12 dBu @ +10 dB gain
Impedance: approx. 2.6 k ohms balanced/ 1.3 k ohms unbalanced
Signal-to-Noise Ratio: 109 dB/ 112 dB A-weighted (0 dBu IN @ +10 dB gain)
Distortion (THD+N): 0.002% / 0.0018% A-weighted
Mono Line Inputs
Type: 1/4" TS connectors, balanced
Impedance: approx 20k ohms

Max Input Level: +21 dBu
Stereo Line Inputs
Type: 1/4" TRS connectors, unbalanced
Impedance: >3.6k ohms
Max Input Level: +22 dBu
Latest equivalentizer
Low: 80 Hz / +/- 15 dB
Mid: 100 Hz-8kHz/ +/- 15 dB

High: 12 kHz / +/- 15 dB
CD/Tape Input
Type: RCA
Impedance: approx 3.6 k ohms, balanced
Max Input Level: +21 dBu
Main Preamp Outputs
Type: 1/4" TRS connectors, unbalanced
Impedance: approx 150 k ohms, unbalanced
Max Input Level: +21 dBu
Monitor Preamp Outputs
Type: 1/4" TRS connectors, unbalanced
Impedance: approx 150 k, unbalanced
Max Input Level: +21 dBu
Stereo Outputs
Type: ¼ inch TRS connectors, unbalanced
Impedance: approx 150 ohms, unbalanced
Max Output Level: +21 dBu
Stereo Outputs
Type:RCA
Impedance: approx 1k ohms
Max Output Level: +21 dBu
Loudspeaker Outputs
Type: compatible to Neutrik Speakon
Load Impedance
Main L/R: 4-8 ohms
Monitor/Main Mono: 4-8 ohms
Main Mono/Main Mono: 4-8 ohms
Bridge: 8-16 ohms
DSP
Converter: 24-bit Delta-Sigma, 64/128-times oversampling
Dynamics D/A: 90 dB
Sampling Rate: 46.875 kHz
Delay Time: max 5s
Signal Run Time (Line in>>Line out): approx 1.5 ms
Display
Type: 2 Dual 7-Segment LED
Amplifier (Power Amp Output)

Power @ 4 ohms: 2 x 450 w
Power @ 8 ohms: 2 x 215 w
Power @ 8 ohms (Bridge): 1 x 1200 w
Power Supply
Mains Voltage: 230V~, 50 Hz
Power Consumption: 1000 w
Fuse: T 6,3 A H 250V
Mains Connector: Standard IEC receptacle
Speakers
400 Watts program power, 800 Watts peak
HF Driver protection network

3/4 inch MDF construction
Two 1/4 inch inputs
Metal handles
Heavy duty carpet
Full metal perforated grill
Audio Power Amplifiers
2 x 700 Watts in 2-Ohm/1400 Watts in 4-Ohm bridged operation
2-channel, parallel or bridged mono operating modes for flexible application
Independent limiters for each channel offer dependable protection against distortion
Precise signal and clip LED indicators to monitor performance
Selectable low-frequency filters (30 Hz or 50 Hz) remove distracting infra-sound frequencies
Professional Speakon® and touch-proof binding post loudspeaker outputs enable secure operation
Balanced XLR and 1/4 inch TRS inputs
Connection option for extra amps in parallel operation
Ultra-reliable Toshiba®/Fairchild® high-power transistors
High-current Toroid® toroidal transformer
Back-to-front ventilation system including air filter with automatically adjusting fan speed for smooth operation
Independent DC and thermal overload protection on each channel to automatically protect amplifier and speakers
Floor Monitor
Two-way sound reinforcement monitor enclosure
30 and 45 degree dual-angle monitoring
woofer with 2.5-inch voice coil
1.4-inch 14XT titanium diaphragm compression driver
tweeter protection
500 Watt program/1000 Watt peak power handling
Heavy duty crossover network for driver protection and EQ
Lightweight trapezoidal enclosure

90¢ª x 40¢ª coverage constant directivity horn for better off-axis tonality
High quality, heavy duty carpet covering
Steel handle
Rugged dado and rabbet construction for lightweight- yet-strong joints
T-Nut speaker mounting
Heavy duty, full-length steel grille , Pole mount
AMS Concert Portable PA System or **latest** equivalent

Model Offered: **No Award**

(*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE

96 **PROCESSOR-CONTROLLED 400-WATT 2-WAY PA SPEAKER SYSTEM** WITH 15-INCH WOOFER AND 1.25-INCH TITANIUM COMPRESSION DRIVER

Ultra-Low Noise (ULN) Mic/Line input with Volume control plus dedicated 2-band EQ.
High-power 400-Watt 2-way PA sound reinforcement speaker system for live and playback applications
Ultra-compact lightweight system delivers excellent sound even at extreme sound pressure levels
Integrated sound processor for ultimate system control and speaker protection, Extremely powerful 15-inch long-excursion driver provides incredibly deep bass and acoustic power. State-of-the-art 1.25-inch titanium-diaphragm compression driver for exceptional high-frequency reproduction, Ultra-wide dispersion, large-format exponential/conical horn, Ultra-low noise Mic/Line input with Volume control and Clip LED,
Dedicated 2-band EQ for perfect sound adjustment, Additional Line output allows linking of additional speaker systems, Versatile trapezoidal enclosure design allows different positioning, Stand mounting with 35-mm pole socket, Tilts on its side for use as a floor monitor, Ergonomically shaped handles for easy carrying and setup, High-quality components and exceptionally rugged construction ensure long life.
Specifications:
Output Power
Low-frequency range:
RMS @ 1%THD (sine wave): 200 W @ 8 ohms

Peak Power: 320 W @ 8 ohms
High-frequency range:
RMS @ 1% THD (sine wave): 50 W @ 8 ohms
Peak Power: 80 W @ 8 ohms
Input
XLR connector (servo-balanced)
Sensitivity: -40 to +4 dBu
Input impedance: 20k ohms
1/4 inch jack (servo-balanced)
Sensitivity: -40 to +4 dBu
Input impedance: 20k ohms
Link Output
XLR connector
System Data
Frequency range: 55 Hz to 20 kHz
Crossover frequency: 1.9 kHz (12 dB)
Maximum sound pressure level: 125 dB @ 1 m
Limiter: optical
Dynamic: processor-controlled Latest equivalentizer
High: 12 kHz / +-15 dB
Low: 80 Hz / +-15 dB
Power Supply
Mains voltage: 120 Volts, 60 Hz
Power consumption: maximum 450 W
Behringer Eurolive B215A Powered PA Speaker 15 Inch, 400 Watts or latest equivalent

Model Offered: **Eurolive B215A** **$194.12**